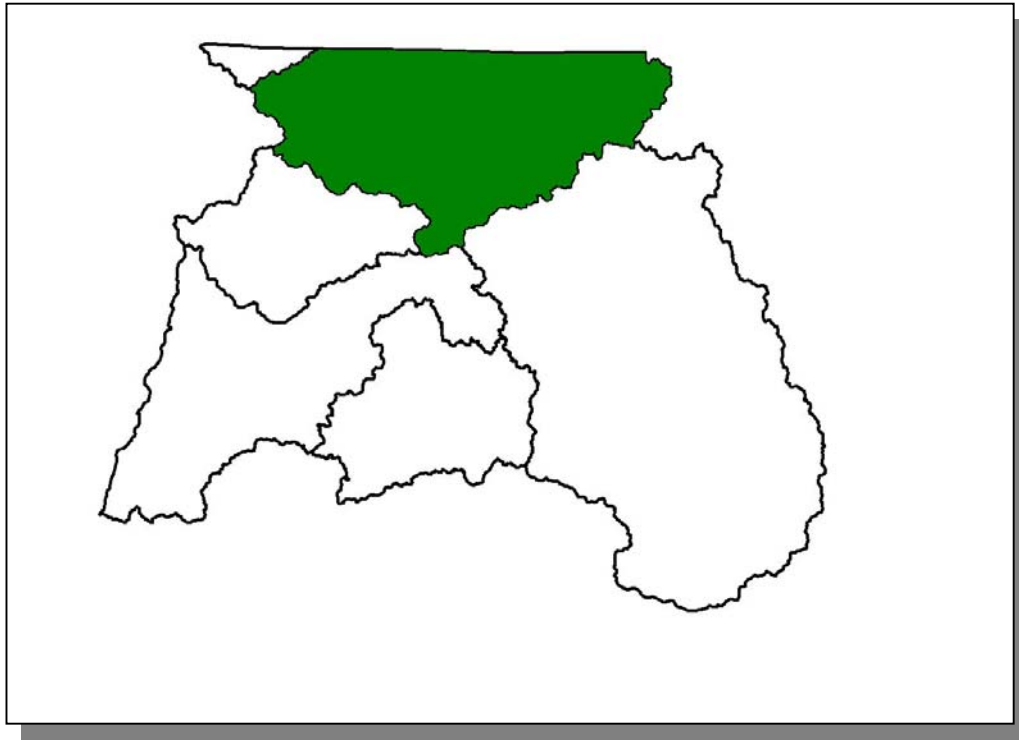
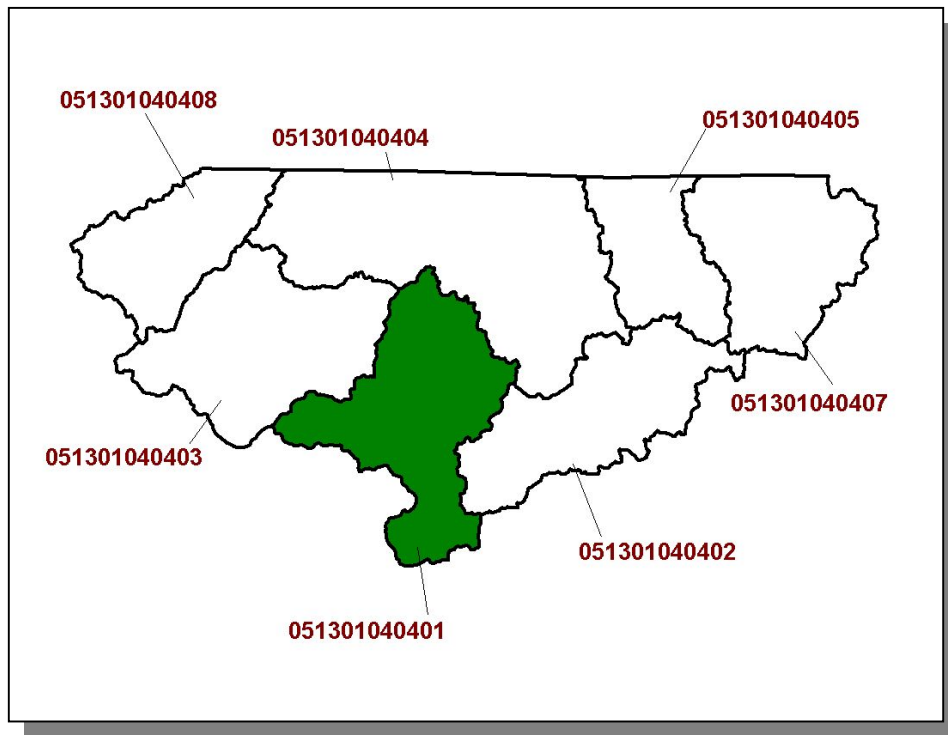


**4.2.D. 0513010404.**

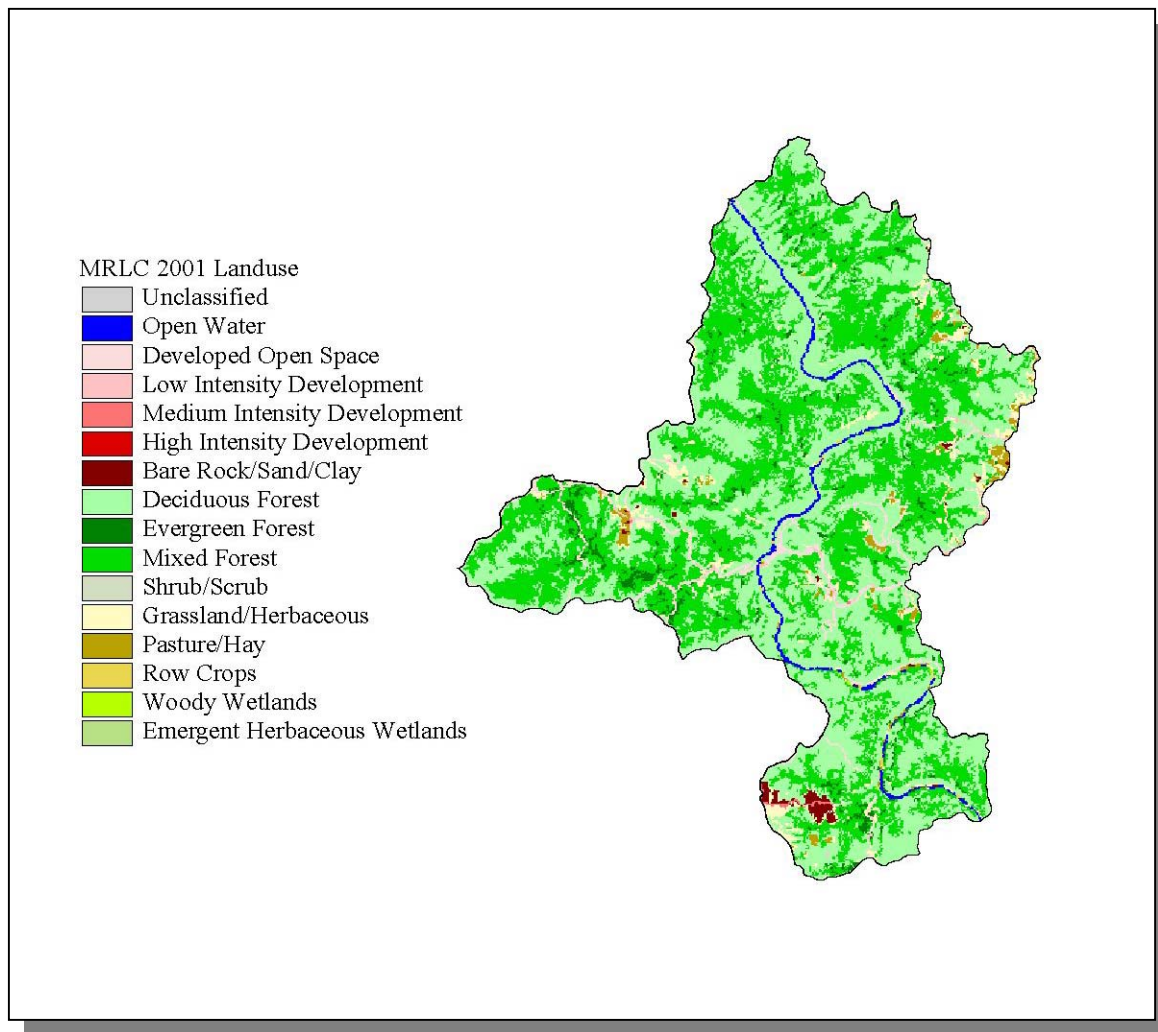


**Figure 4-132. Location of Subwatershed 0513010404.** All South Fork Cumberland River HUC-10 subwatershed boundaries in Tennessee are shown for reference.

**4.3.D.i. 051301040401 (Big South Fork).**

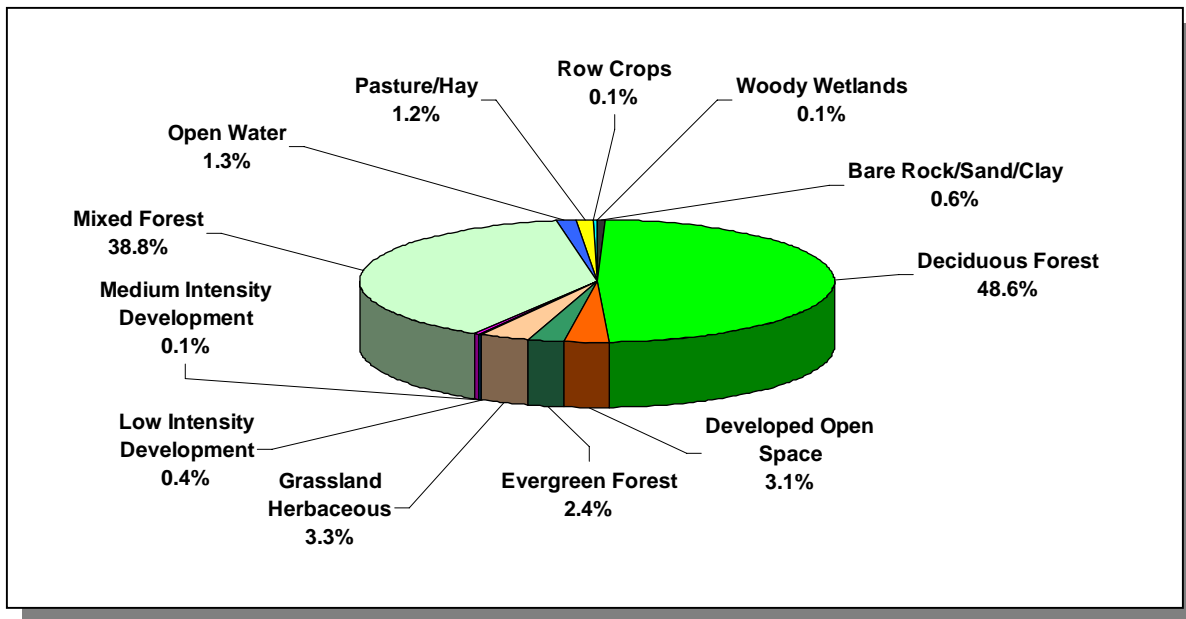


**Figure 4-133. Location of Subwatershed 051301040401.** All South Fork Cumberland River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

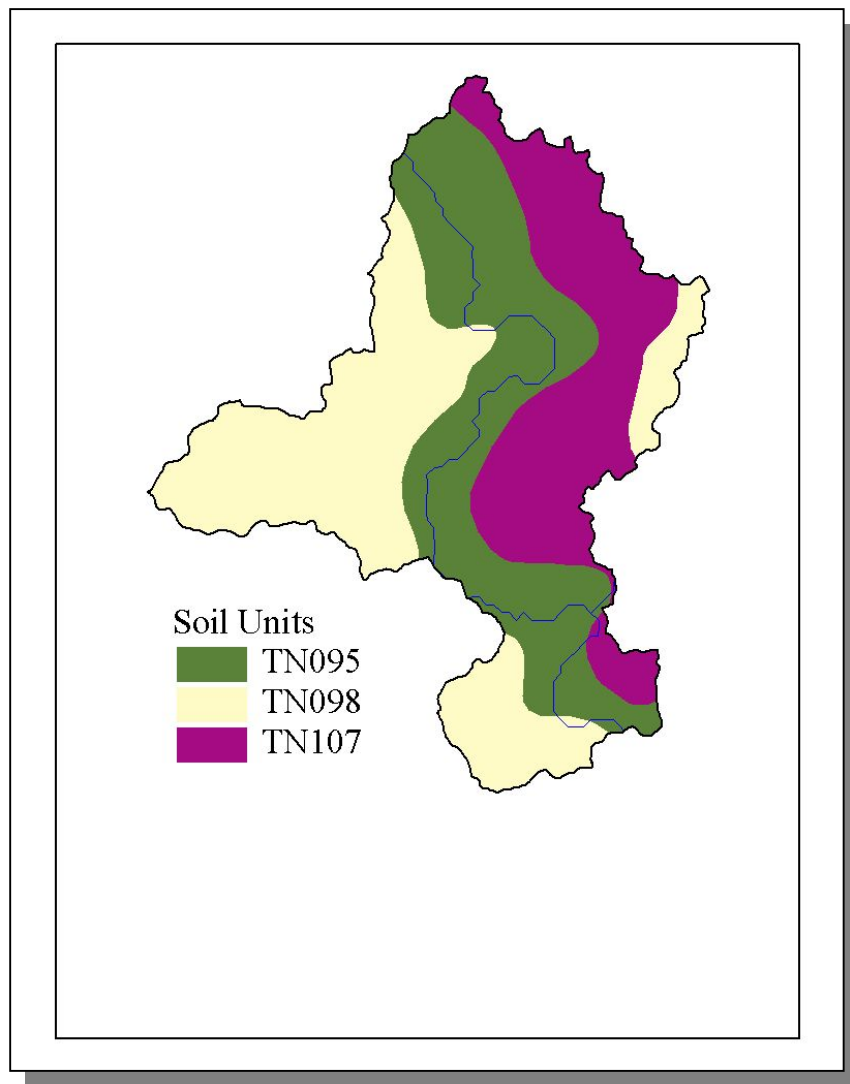


**Figure 4-134. Illustration of Land Use Distribution in Subwatershed 051301040401.**

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**Figure 4-135. Land Use Distribution in Subwatershed 051301040401.** More information is provided in Appendix IV.



**Figure 4-136. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040401.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN095	0.00	B	2.35	5.12	Loam	0.31
TN098	1.00	C	3.98	4.82	Loam	0.32
TN107	1.00	C	6.34	4.84	Loam	0.28

**Table 4-106. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040401.** The definition of "Hydrologic Group" is provided in Appendix IV.

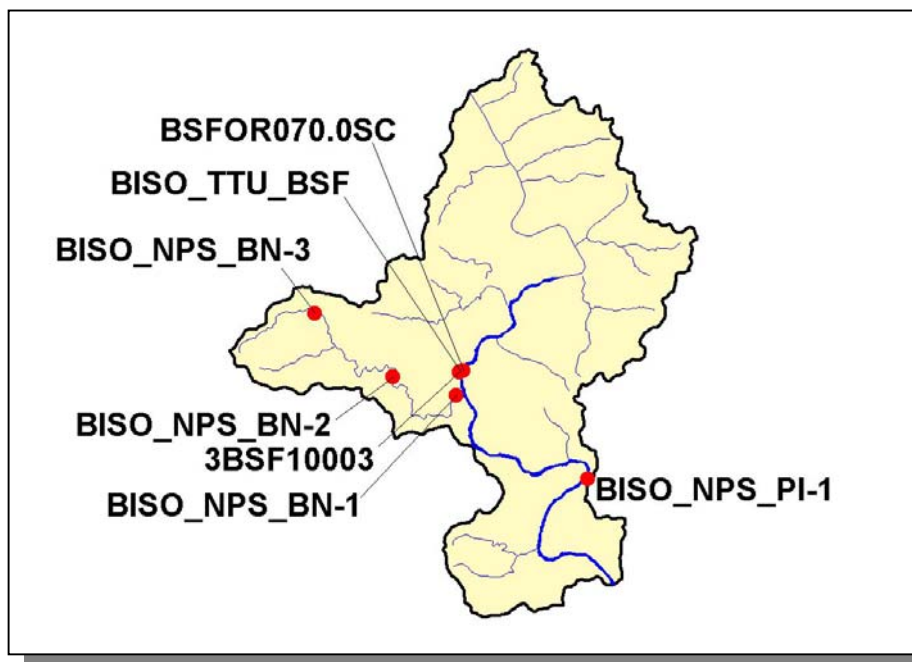
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	COUNTY POPULATION				ESTIMATED POPULATION IN WATERSHED			
County	1990	1997	2000	Portion of Watershed (%)	1990	1997	2000	% Change (1990-2000)
Fentress	14,669	15,920	16,625	0.45	66	72	75	13.6
Scott	18,358	19,816	21,127	5.56	1,020	1,101	1,174	15.1
<b>Total</b>	<b>33,027</b>	<b>35,736</b>	<b>37,752</b>		<b>1,086</b>	<b>1,173</b>	<b>1,249</b>	<b>15.0</b>

*Table 4-107. Population Estimates in Subwatershed 051301040401.*

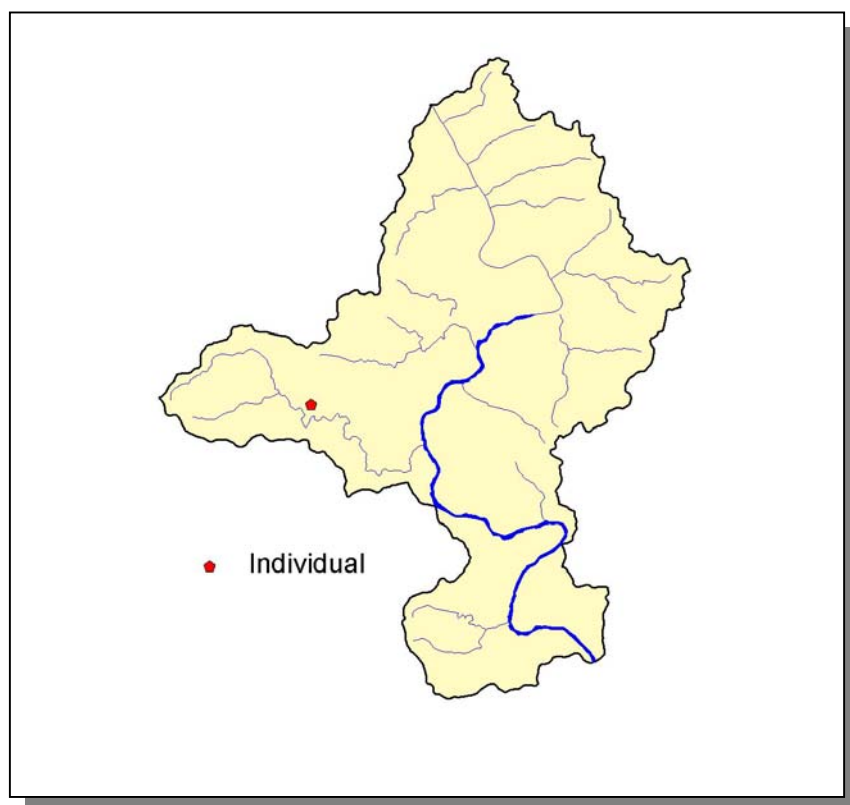


**Figure 4-137. Location of Historical Streamflow Data Collection Sites in Subwatershed 051301040401.** More information is provided in Appendix IV.



**Figure 4-138. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301040401.** More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

**4.2.D.i.a. Point Source Contributions.**



**Figure 4-139. Location of Permits Issued in Subwatershed 051301040401.** More information, including the names of facilities, is provided in Appendix IV.





**Figure 4-140. Location of Active NPDES Sites in Subwatershed 051301040401.** More information, including the names of facilities, is provided in Appendix IV.

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**4.2.D.i.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS				
Beef Cow	Cattle	Milk Cow	Chickens (Broilers Sold)	Sheep
45	93	<5	41,516	<5

**Table 4-108. Summary of Livestock Count Estimates in Subwatershed 051301040401.**  
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

LIVESTOCK COUNTS							
County	Beef Cow	Cattle	Milk Cow	Chickens (Broilers Sold)	Chickens (Layers)	Hogs	Sheep
Fentress	8,058	17,259	430	7,290,026	474	729	79
Scott	2,177	4,447	216	1,989,506	196	17	74

**Table 4-109. Summary of Livestock Count Estimates in Fentress and Scott Counties.**  
According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

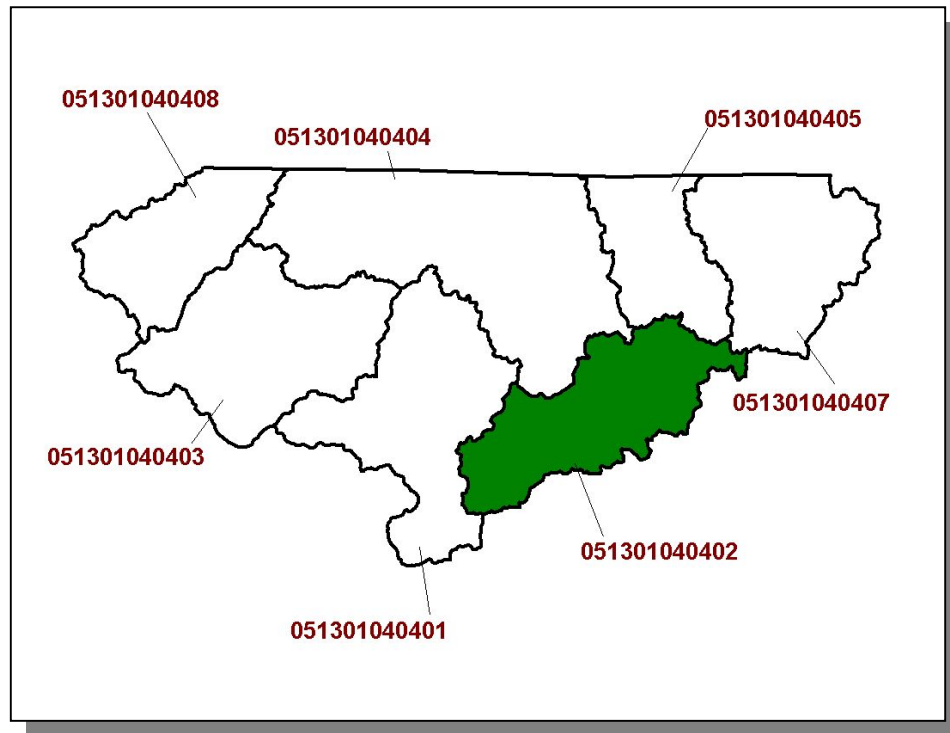
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Fentress	244.1	244.1	3.6	14.3
Scott	300.3	300.3	5.5	21.4

**Table 4-110. Forest Acreage and Annual Removal Rates (1987-1994) in Fentress and Scott Counties.**

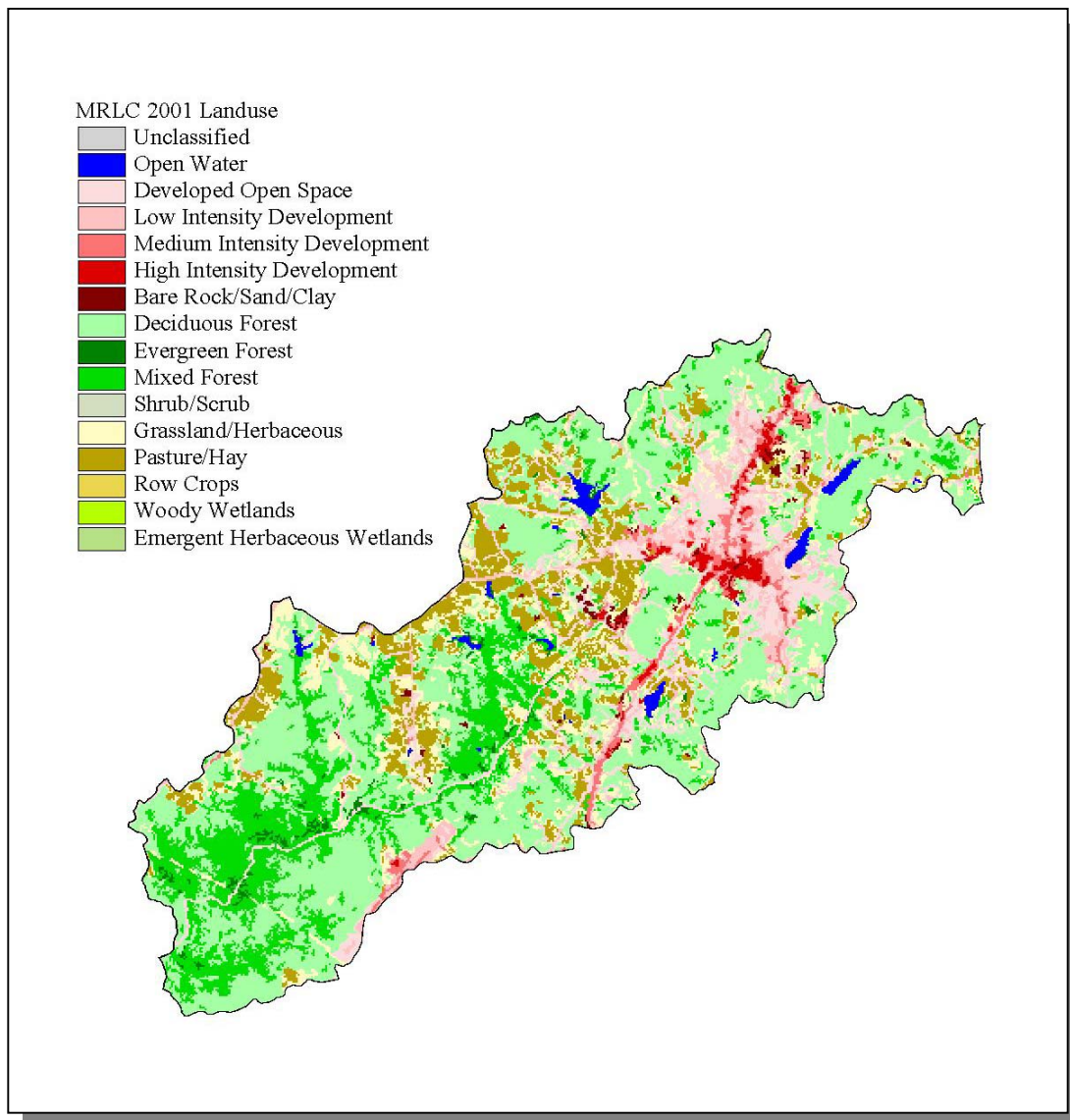
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.35
Legumes, Grass (Hayland)	0.56
Grass, Forbs, Legumes (Mixed Pasture)	0.56
Corn (Row Crops)	16.18
Soybeans (Row Crops)	6.00
Wheat (Close-Grown Cropland)	43.40
Other Vegetable and Truck Crops	15.94
Farmsteads and Ranch Headquarters	0.11

**Table 4-111. Annual Estimated Total Soil Loss in Subwatershed 0604000401.**

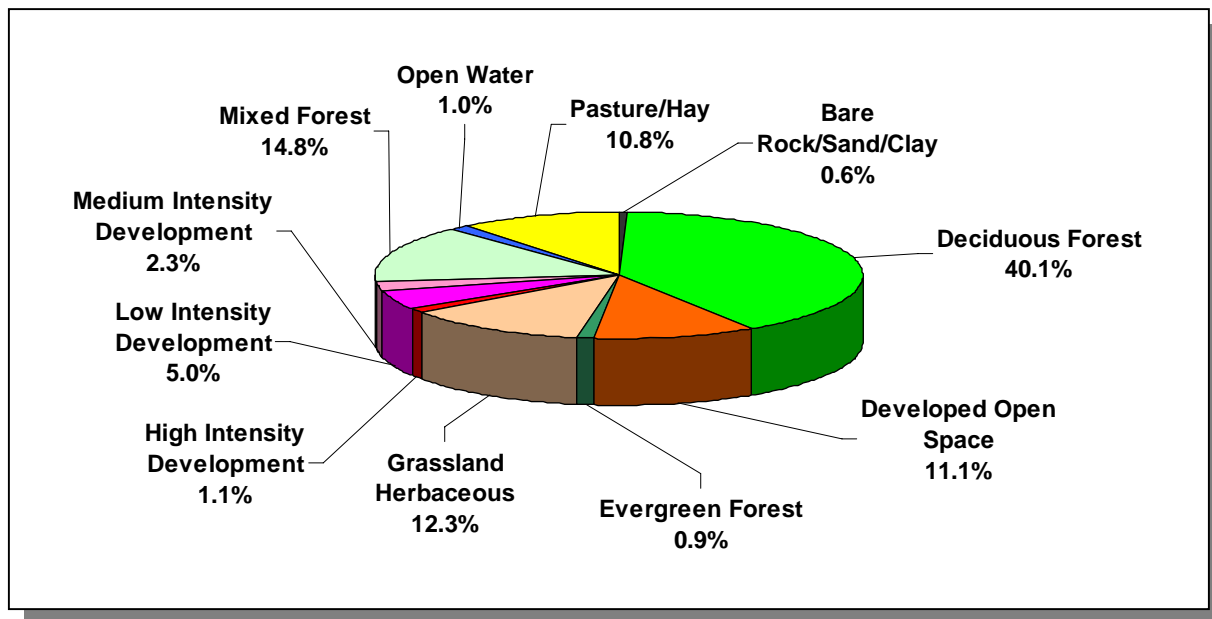
**4.3.D.ii.** 051301040402 (Pine Creek).



**Figure 4-141. Location of Subwatershed 051301040402.** All South Fork Cumberland River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

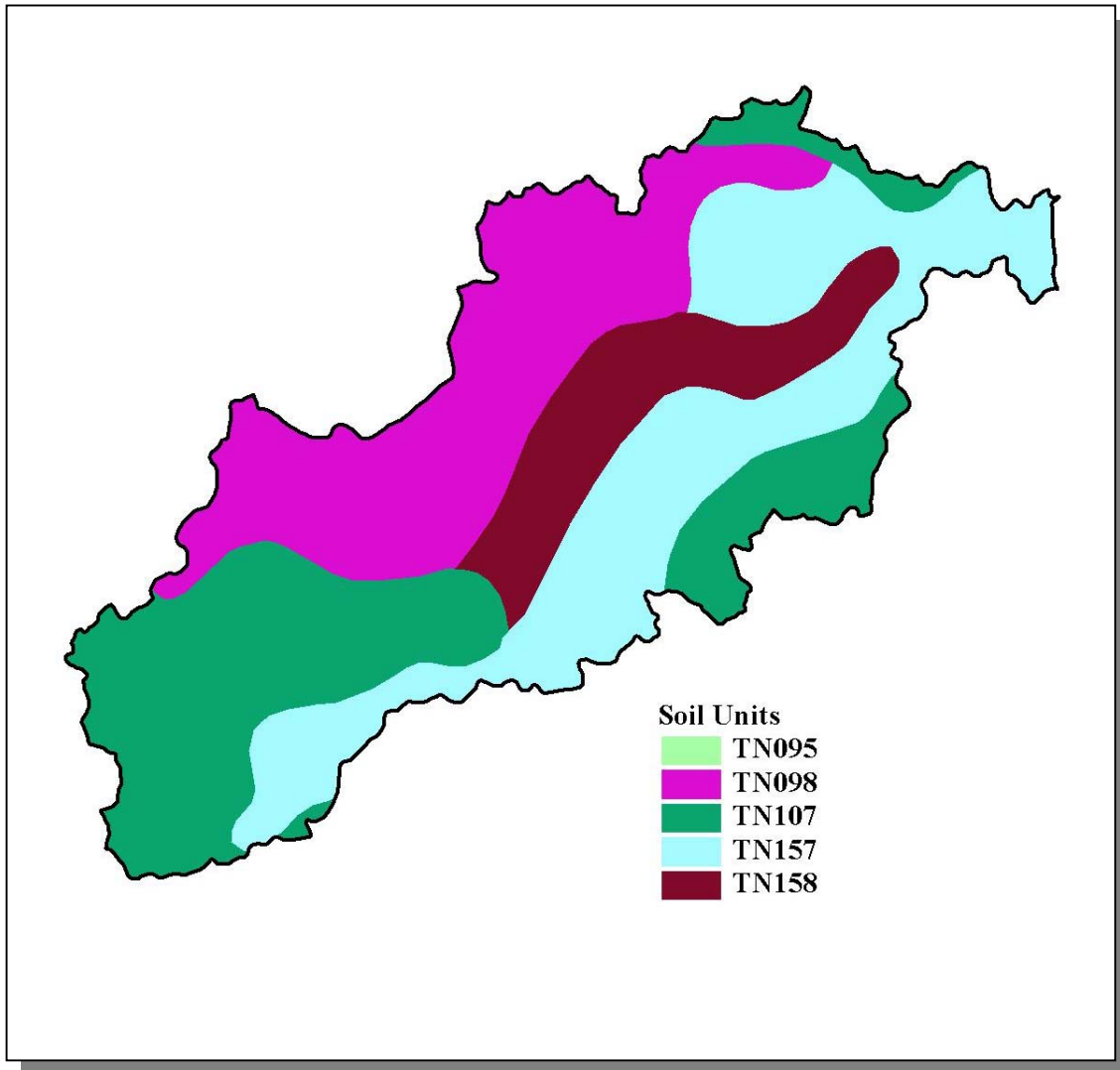


**Figure 4-142. Illustration of Land Use Distribution in Subwatershed 051301040402.**



**Figure 4-143. Land Use Distribution in Subwatershed 051301040402.** More information is provided in Appendix IV.

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**Figure 4-144. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040402.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN095	0.00	B	2.35	5.12	Loam	0.31
TN098	5.00	C	3.98	4.82	Loam	0.32
TN100	0.00	B	1.14	3.35	Silty Loam	0.21
TN107	5.00	C	6.34	4.84	Loam	0.28
TN157	0.00	B	2.38	4.62	Loam	0.28

**Table 4-112. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040402.** The definition of "Hydrologic Group" is provided in Appendix IV.

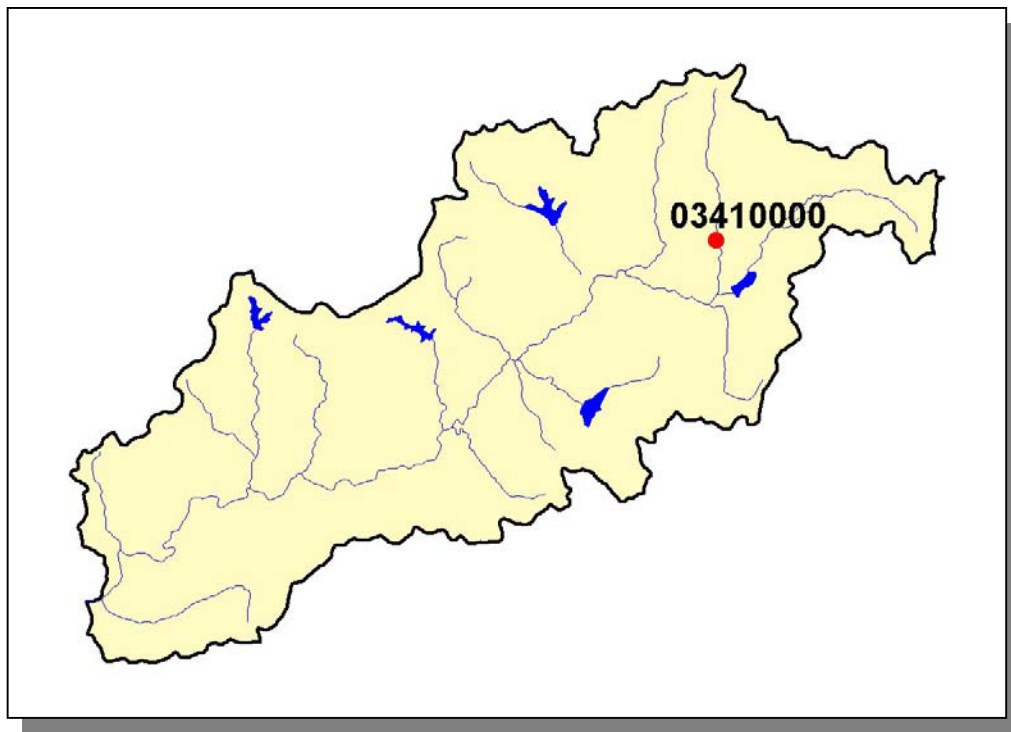
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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Scott	18,358	19,816	21,127	4.97	912	985	1,050	15.1

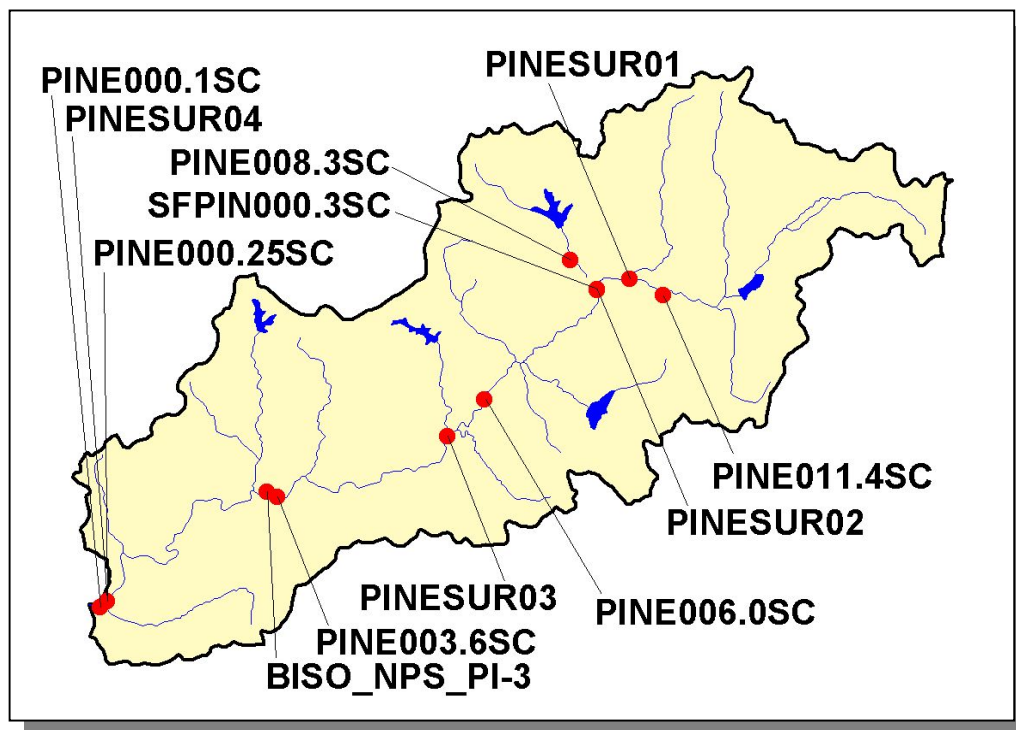
**Table 4-113. Population Estimates in Subwatershed 051301040402**

			NUMBER OF HOUSING UNITS			
Populated Place	County	Population	Total	Public Sewer	Septic Tank	Other
Oneida	Scott	3,502	1,506	1,098	393	15

**Table 4-114. Housing and Sewage Disposal Practices of Select Communities in Subwatershed 051301040402.**



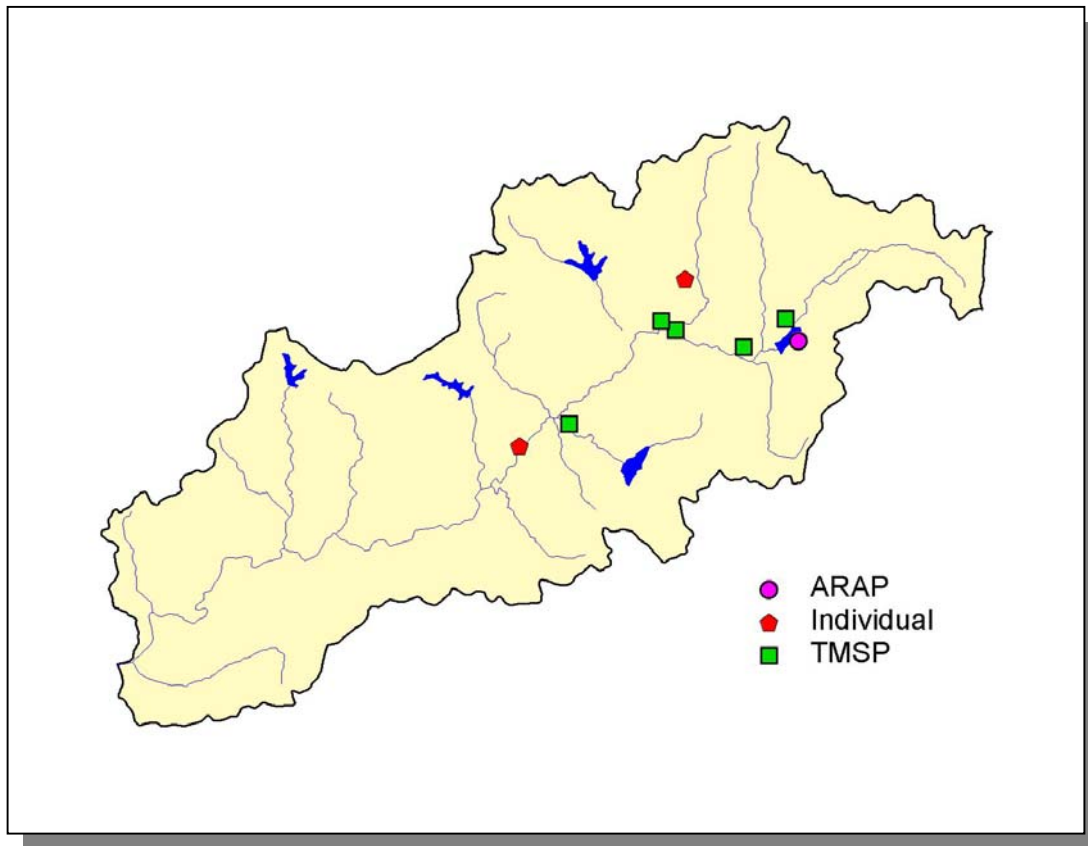
**Figure 4-145. Location of Historical Streamflow Data Collection Sites in Subwatershed 051301040402.** More information is provided in Appendix IV.



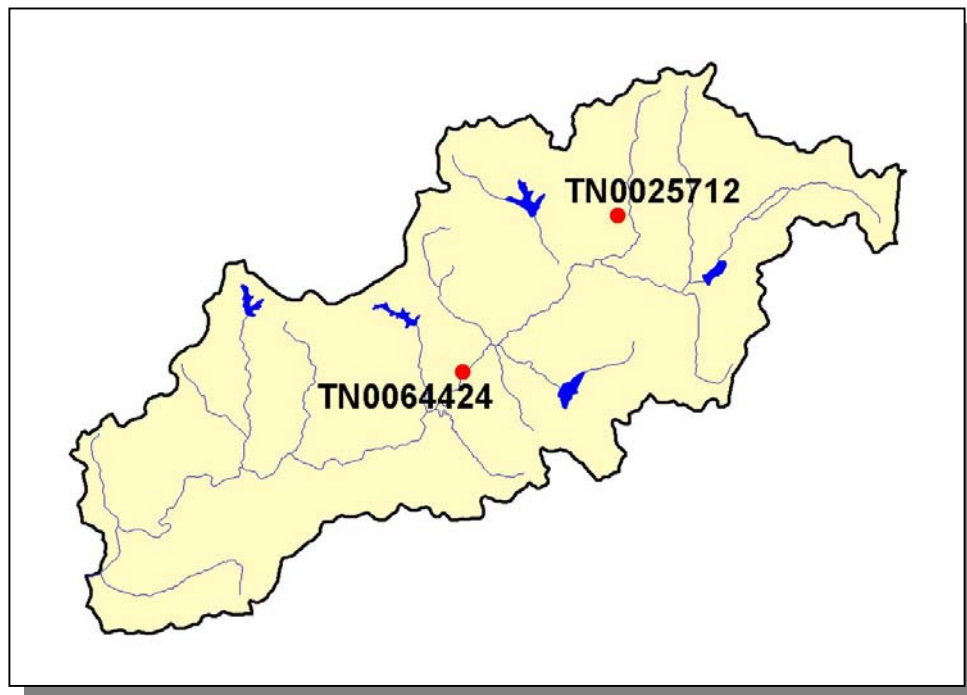
**Figure 4-146. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301040402.** More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.



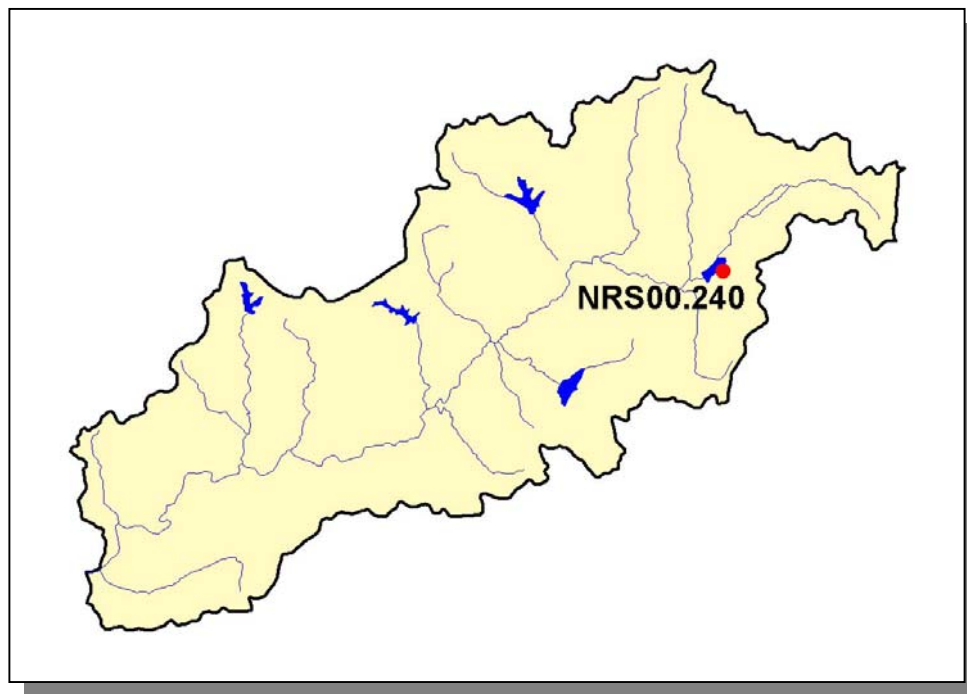
**4.2.D.ii.a. Point Source Contributions.**



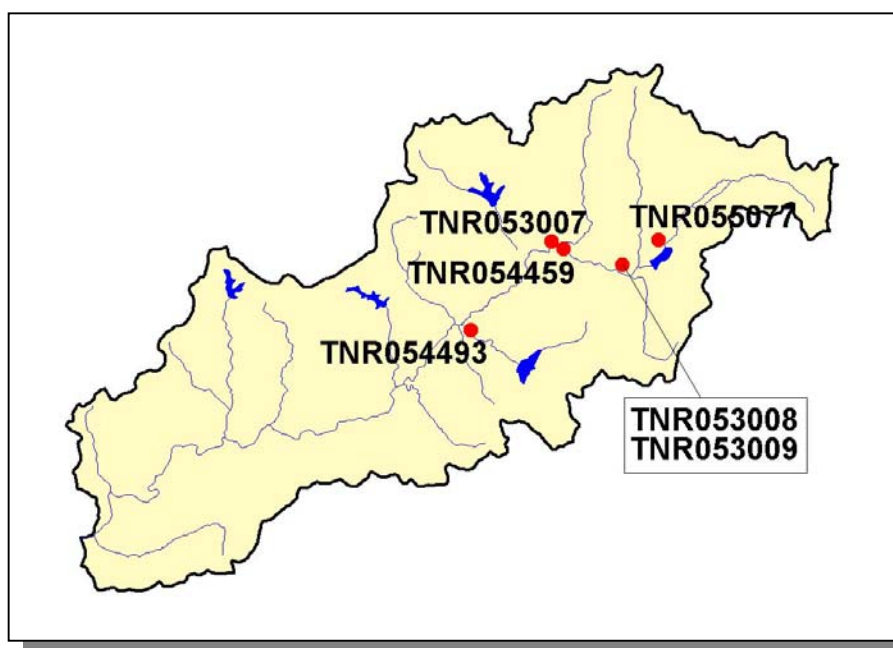
**Figure 4-147. Location of Permits Issued in Subwatershed 051301040402.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-148. Location of Active NPDES Sites in Subwatershed 051301040402.** More information, including the names of facilities, is provided in Appendix IV.



**Figure 4-149. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 051301040402.** More information is provided in Appendix IV.

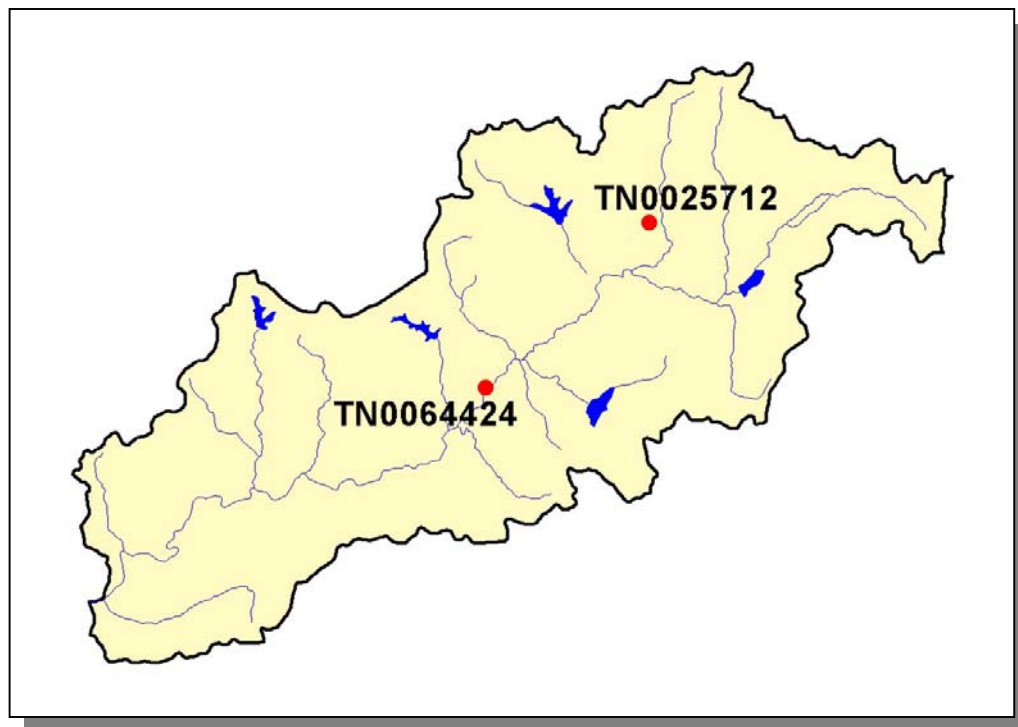


**Figure 4-150. Location of TMSP Sites in Subwatershed 051301040402.** More information, including the names of facilities, is provided in Appendix IV.

**4.2.D.ii.a.i.** Dischargers to Water Bodies Listed on the 2004 303(d) List

There are two NPDES facilities discharging to water bodies listed on the 2004 303(d) list in Subwatershed 051301040402:

- TN0025712 (HBD Industries) discharges to Litton Fork Pine Creek @ RM 0.1
- TN0064424 (Oneida STP) discharges to Pine Creek @ RM 7.2



**Figure 4-151. Location of NPDES Dischargers to Water Bodies Listed on the 2004 303(d) List in Subwatershed 051301040402.** More information, including the names of facilities, is provided in Appendix IV.

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PERMIT #	NO <sub>3</sub>	Zn	Hg	Cu	Pb	Ni	Cd	Mo	As	Se	FLOW	TEMPERATURE
TN0025712											X	X
TN0064424	X	X	X	X	X	X	X	X	X	X		

**Table 4-115. Monitoring Requirements for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 051301040402.**

PERMIT #	WET	CBOD <sub>5</sub>	NH <sub>3</sub>	TRC	TSS	SETTLEABLE SOLIDS	DO	pH	CN	P	OIL and GREASE
TN0025712					X			X			X
TN0064424	X	X	X	X	X	X	X	X	X	X	

**Table 4-116. Parameters Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 051301040402.** WET, Whole Effluent Toxicity; CBOD<sub>5</sub>, Carbonaceous Biochemical Oxygen Demand (5-Day); TRC, Total Residual Chlorine; TSS, Total Suspended Solids.

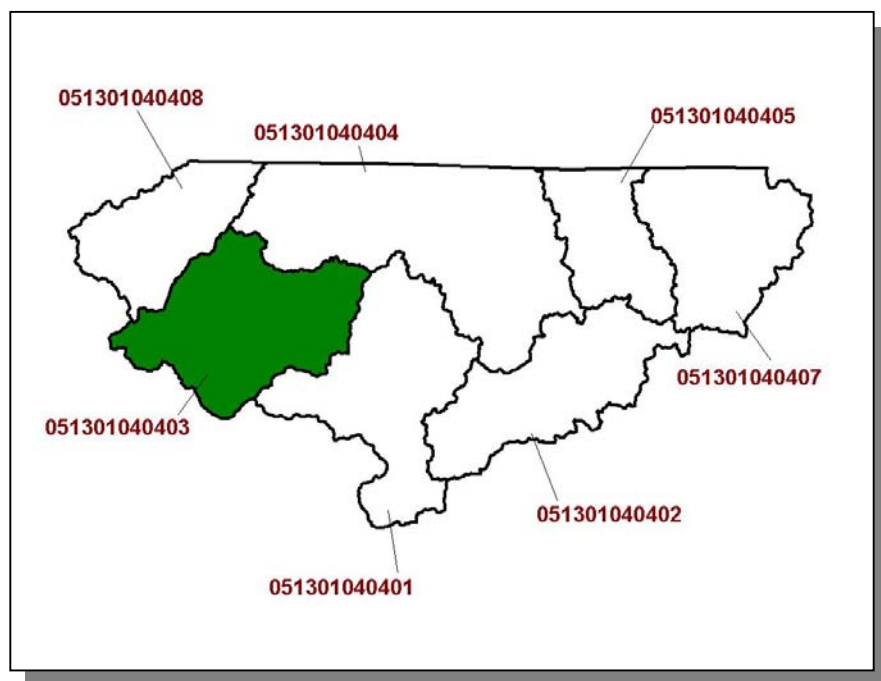
PERMIT #	<i>E. coli</i>	FECAL COLIFORM
TN0064424	X	X

**Table 4-117. Bacteria Monitored for Daily Maximum Limits for NPDES Dischargers to Waterbodies Listed on the 2004 303(d) List in Subwatershed 051301040402.**

**4.2.D.ii.b. Nonpoint Source Contributions.**

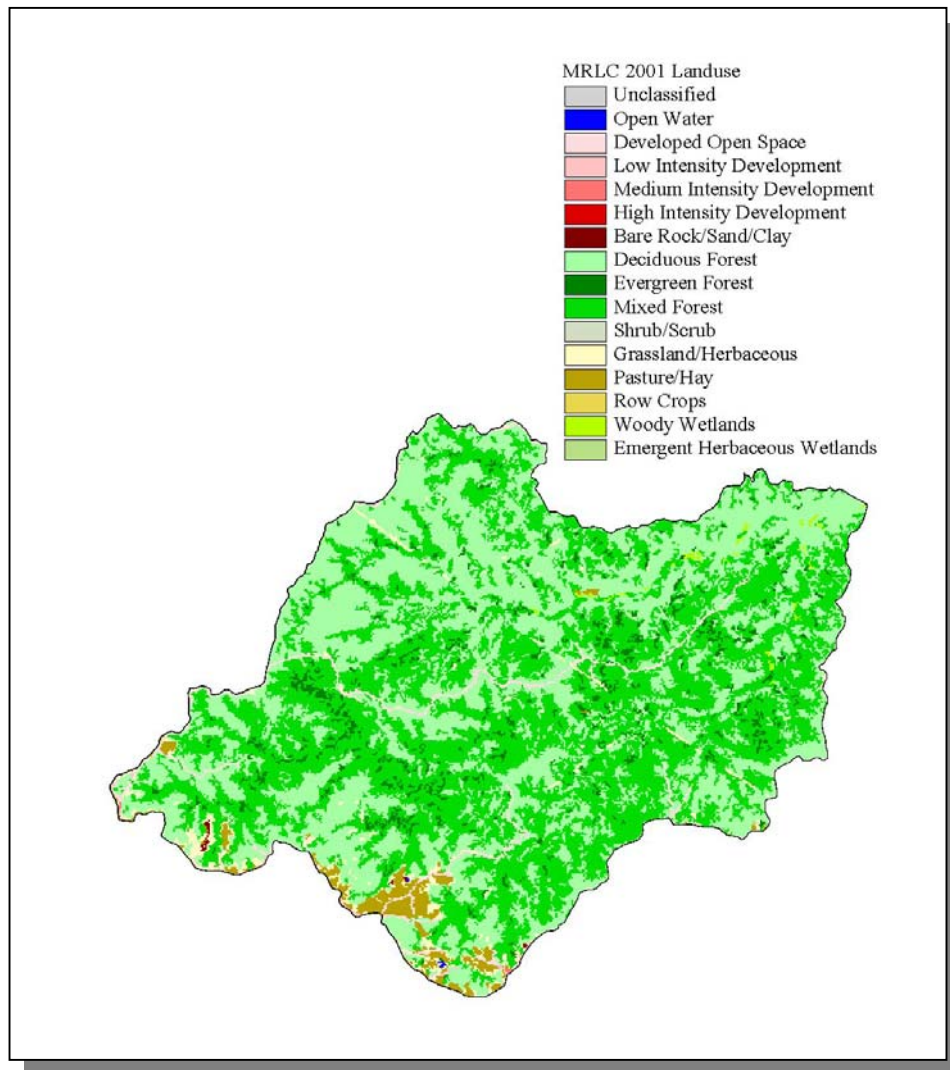
There are no known nonpoint source contributions in this subwatershed.

**4.3.D.iii. 051301040403 (Station Camp Creek).**

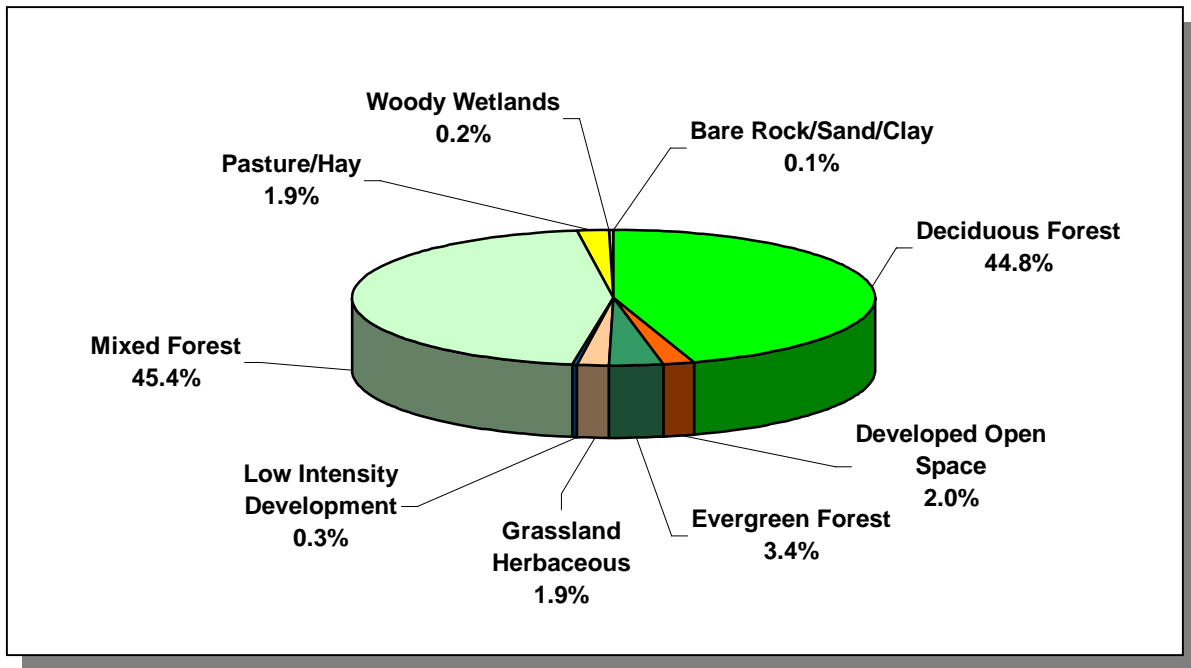


**Figure 4-152. Location of Subwatershed 051301040403.** All South Fork Cumberland River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

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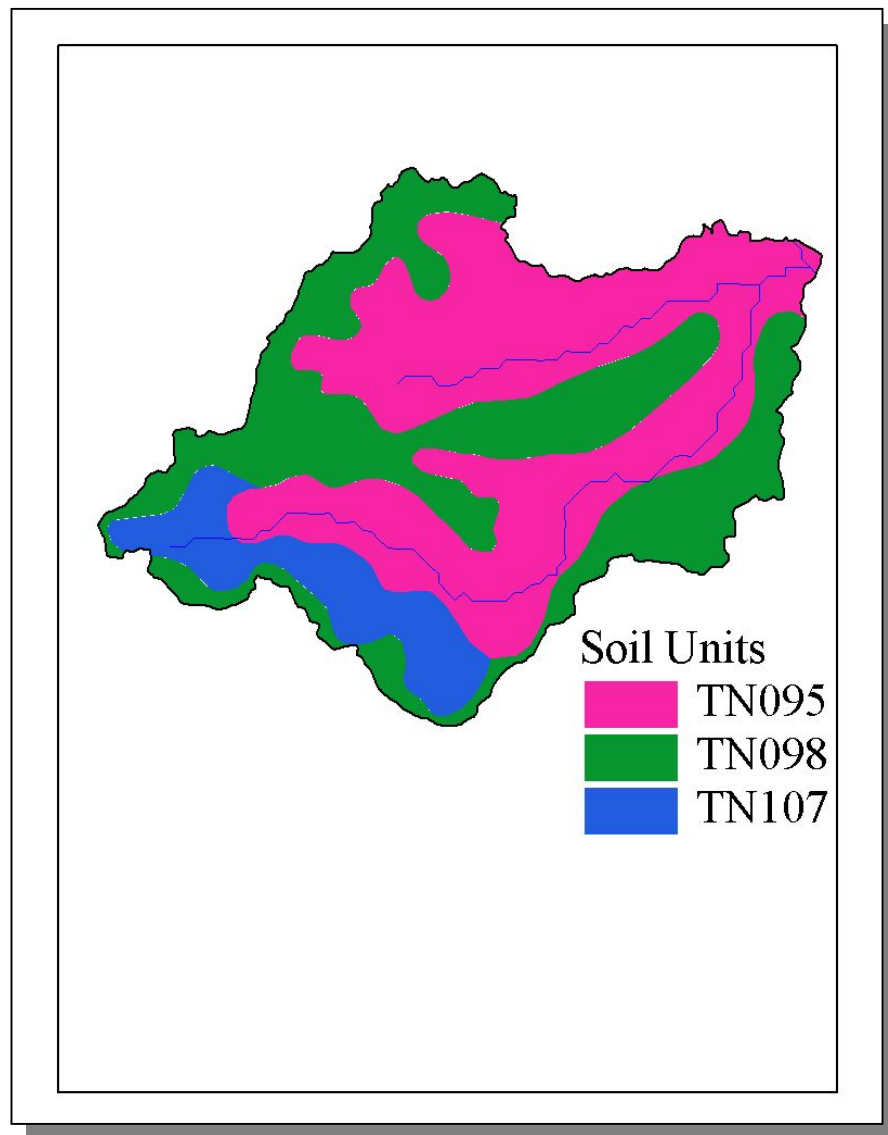


**Figure 4-153. Illustration of Land Use Distribution in Subwatershed 051301040403.**



**Figure 4-154. Land Use Distribution in Subwatershed 051301040403.** More information is provided in Appendix IV.





**Figure 4-155. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040403.**

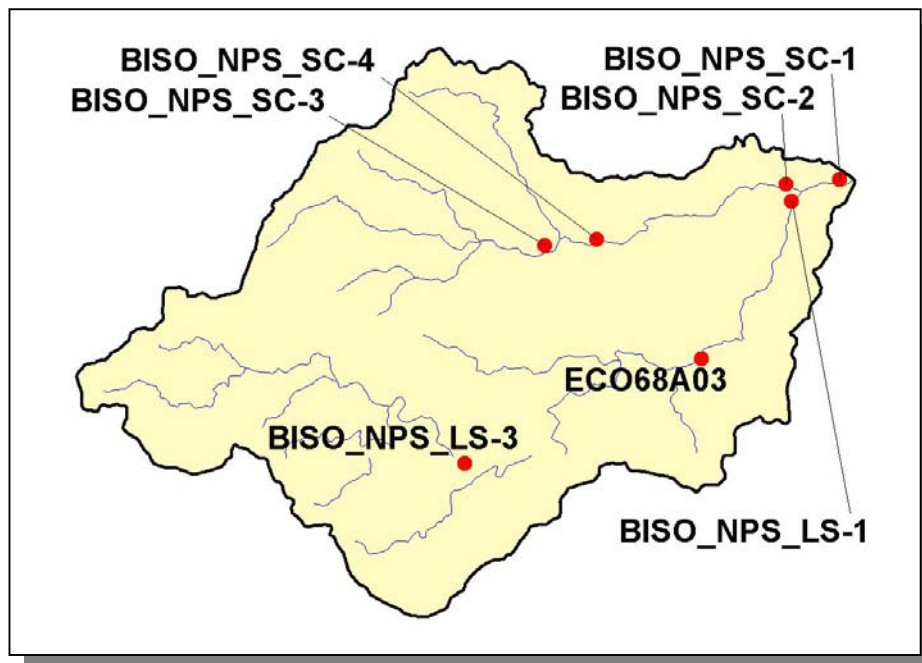
STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN095	0.00	B	2.35	5.12	Loam	0.31
TN098	1.00	C	3.98	4.82	Loam	0.32
TN107	1.00	C	6.34	4.84	Loam	0.28

**Table 4-118. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040403.** The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Fentress	14,669	15,920	16,625	3.1	455	494	516	13.4
Pickett	4,548	4,631	4,945	2.8	127	130	138	8.7
Scott	18,358	19,816	21,127	2.11	387	418	446	15.2
<b>Total</b>	<b>37,575</b>	<b>40,367</b>	<b>42,697</b>		<b>969</b>	<b>1,042</b>	<b>1,100</b>	<b>13.5</b>

*Table 4-119. Population Estimates in Subwatershed 051301040403.*



*Figure 4-156. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301040403. More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.*

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**4.2.D.iii.a. Point Source Contributions.**

There are no point source contributions in this subwatershed.

**4.2.D.iii.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTSS					
Beef Cow	Cattle	Milk Cow	Chickens (Broilers Sold)	Hogs	Sheep
84	180	5	76,233	7	<5

**Table 4-120. Summary of Livestock Count Estimates in Subwatershed 051301040403.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

LIVESTOCK COUNTS							
County	Beef Cow	Cattle	Milk Cow	Chickens (Broilers Sold)	Chickens (Layers)	Hogs	Sheep
Fentress	8,058	17,259	430	7,290,026	474	729	79
Pickett	5,986	10,864	19		285	99	
Scott	2,177	4,447	216	1,989,506	196	17	74

**Table 4-121. Summary of Livestock Count Estimates in Fentress, Pickett, and Scott Counties.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

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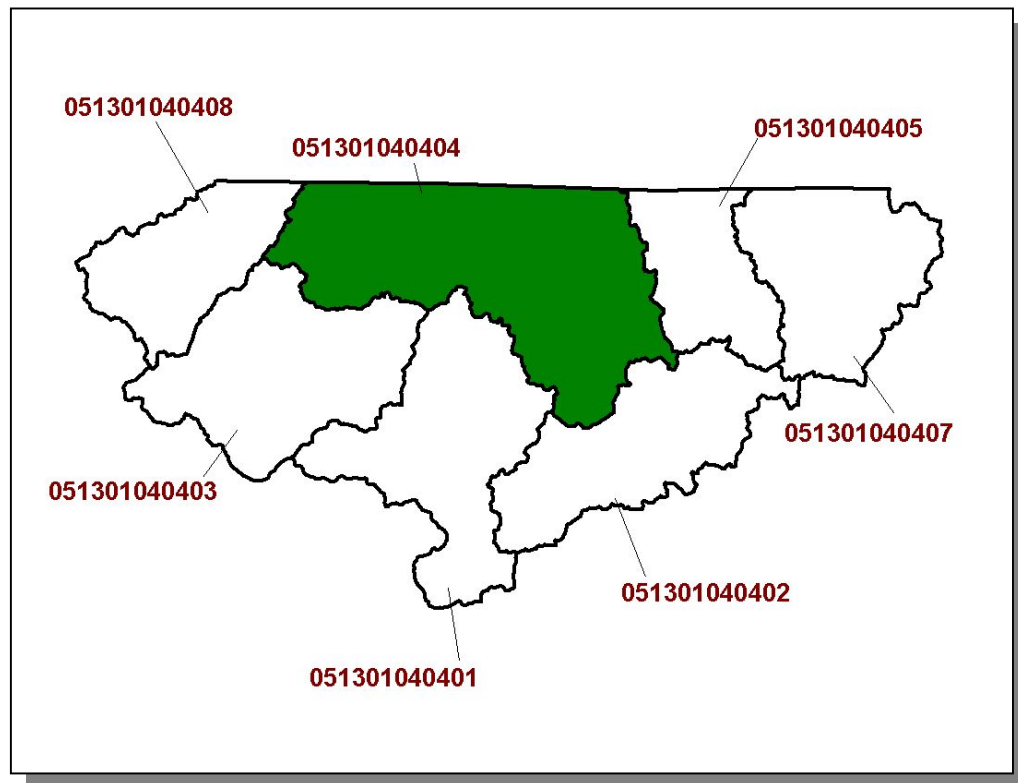
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Fentress	244.1	244.1	3.6	14.3
Pickett	68.4	68.4	0.2	0.6
Scott	300.3	300.3	5.5	21.4

**Table 4-122. Forest Acreage and Annual Removal Rates (1987-1994) in Fentress, Pickett, and Scott Counties.**

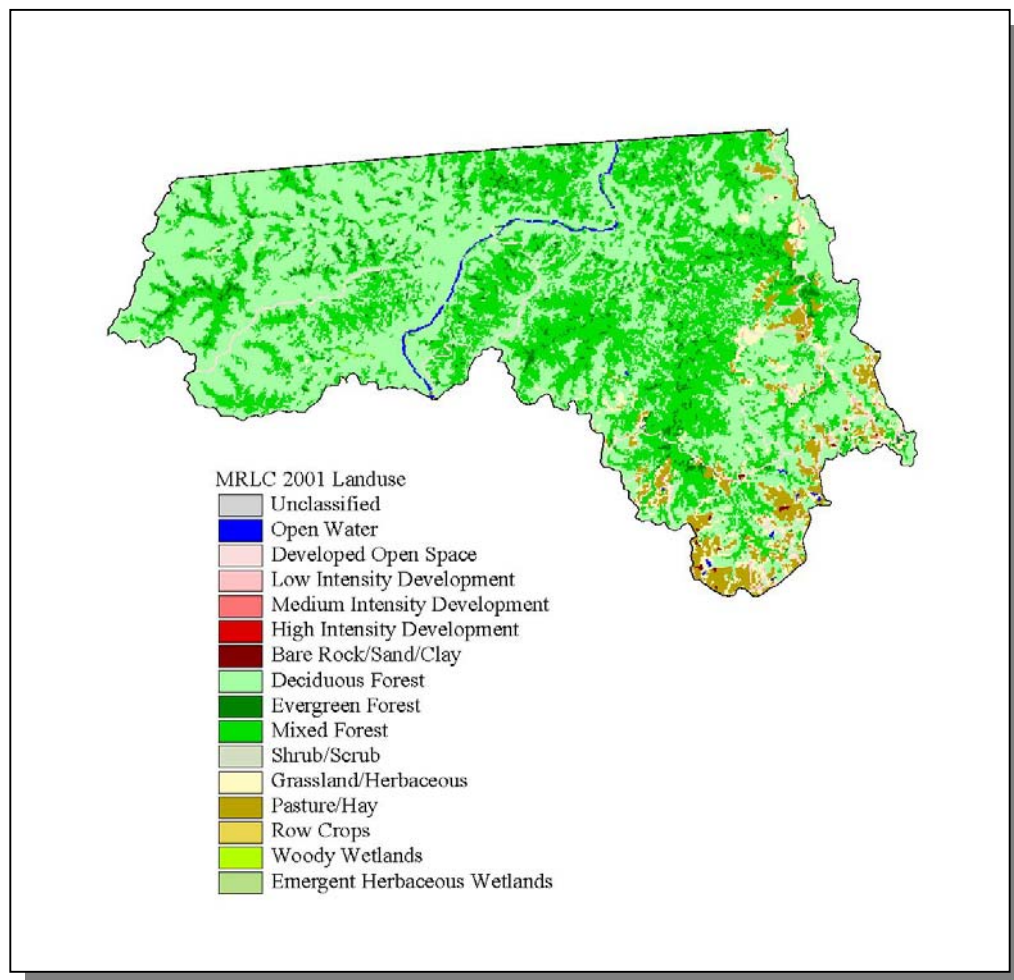
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.64
Grass (Hayland)	0.11
Legumes, Grass (Hayland)	0.44
Grass, Forbs, Legumes (Mixed Pasture)	0.45
Corn (Row Crops)	16.18
Soybeans (Row Crops)	6.00
Tobacco (Row Crops)	23.18
Wheat (Close-Grown Cropland)	43.40
Other Vegetable and Truck Crops	15.94
Farmsteads and Ranch Headquarters	1.43

**Table 4-123. Annual Estimated Total Soil Loss in Subwatershed 051301040403.**

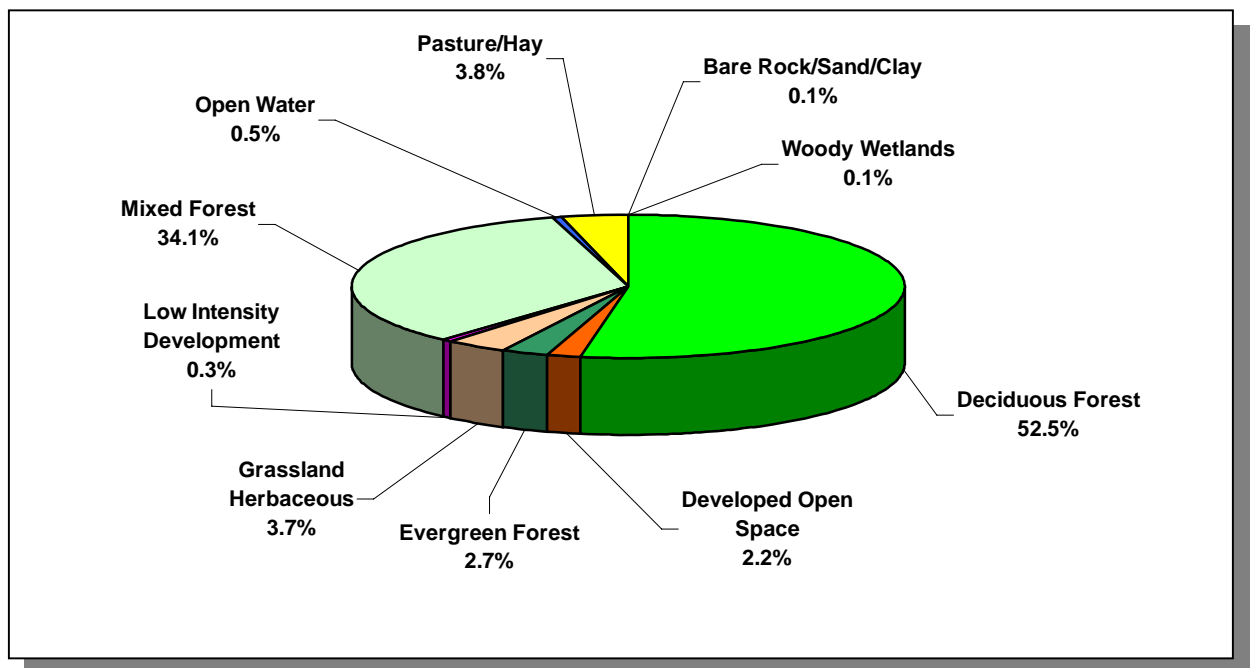
**4.3.D.iv. 051301040404 (Big South Fork).**



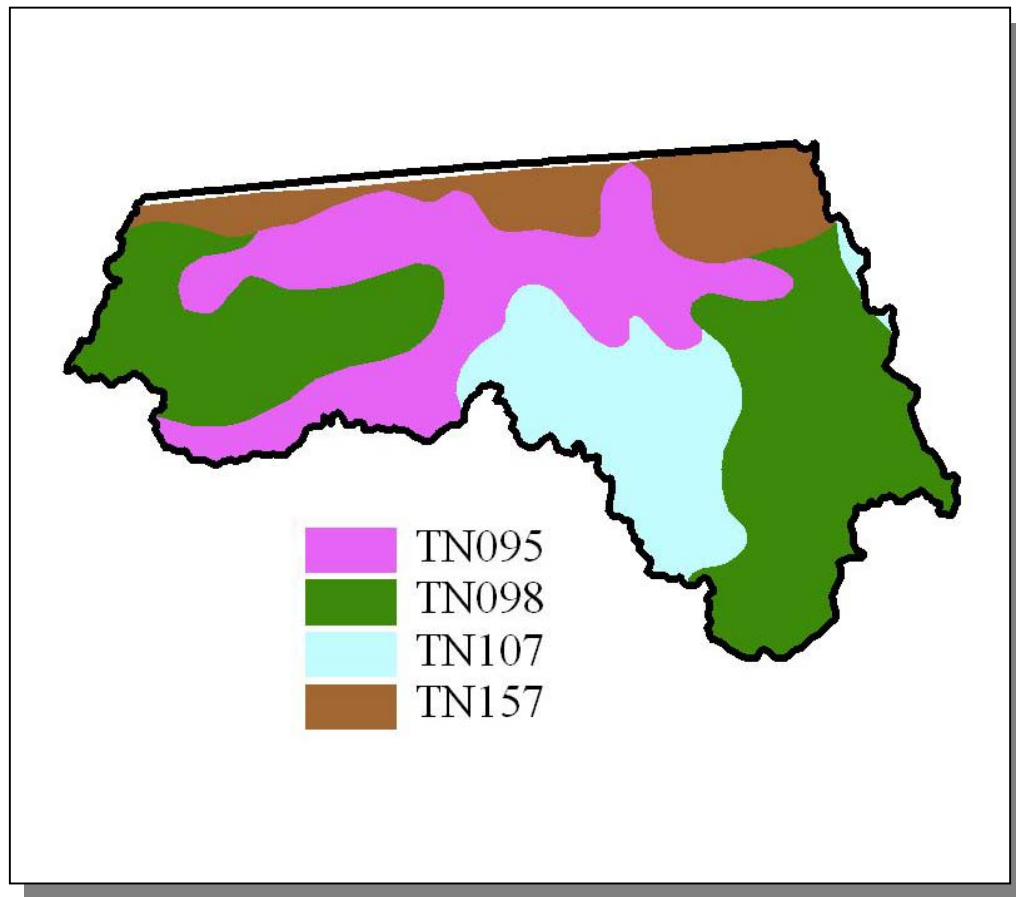
**Figure 4-157. Location of Subwatershed 051301040404.** All South Fork Cumberland River HUC-12 subwatershed boundaries in Tennessee are shown for reference.



**Figure 4-158. Illustration of Land Use Distribution in Subwatershed 051301040404.**



**Figure 4-159. Land Use Distribution in Subwatershed 051301040404.** More information is provided in Appendix IV.



**Figure 4-160. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040404.**

STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN095	0.00	B	2.35	5.12	Loam	0.31
TN098	1.00	C	3.98	4.82	Loam	0.32
TN107	1.00	C	6.34	4.84	Loam	0.28
TN157	0.00	B	2.38	4.62	Loam	0.28

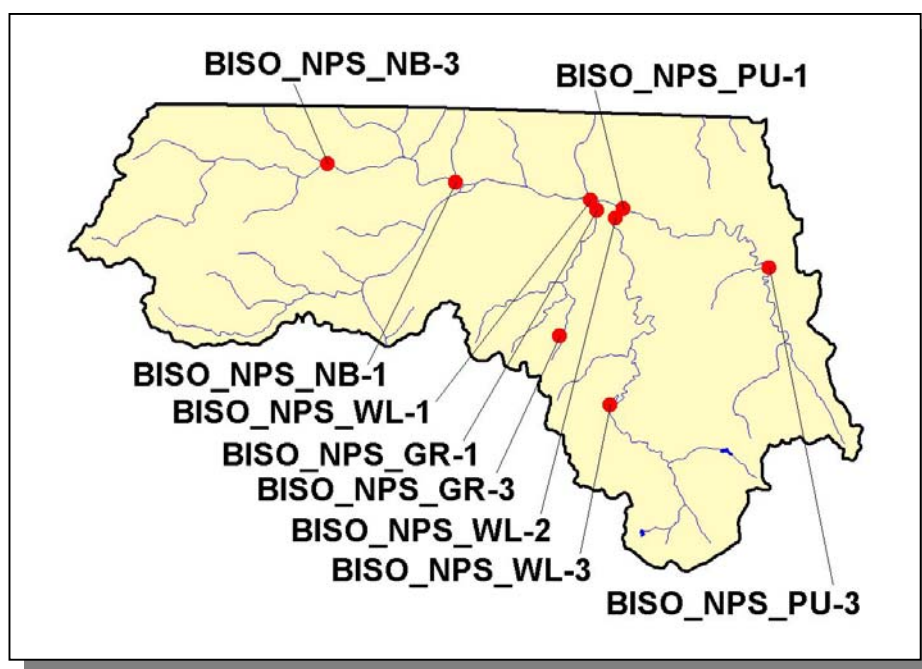
**Table 4-124. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040404.** The definition of "Hydrologic Group" is provided in Appendix IV.



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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Scott	18,358	19,816	21,127	9.18	1,686	1,820	1,940	15.1

**Table 4-125. Population Estimates in Subwatershed 051301040404.**



**Figure 4-161. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301040404.** More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

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**4.2.D.iv.a. Point Source Contributions.**

There are no point source contributions in this subwatershed.

**4.2.D.iv.b. Nonpoint Source Contributions.**

<b>LIVESTOCK (COUNTS)</b>						
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Chickens (Broilers Sold)	Hogs	Sheep
209	426	21	<5	190,549	<5	7

**Table 4-126. Summary of Livestock Count Estimates in Subwatershed 051301040404.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

<b>LIVESTOCK COUNTS</b>							
County	Beef Cow	Cattle	Milk Cow	Chickens (Broilers Sold)	Chickens (Layers)	Hogs	Sheep
Scott	2,177	4,447	216	1,989,506	196	17	74

**Table 4-127. Summary of Livestock Count Estimates in Scott County.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

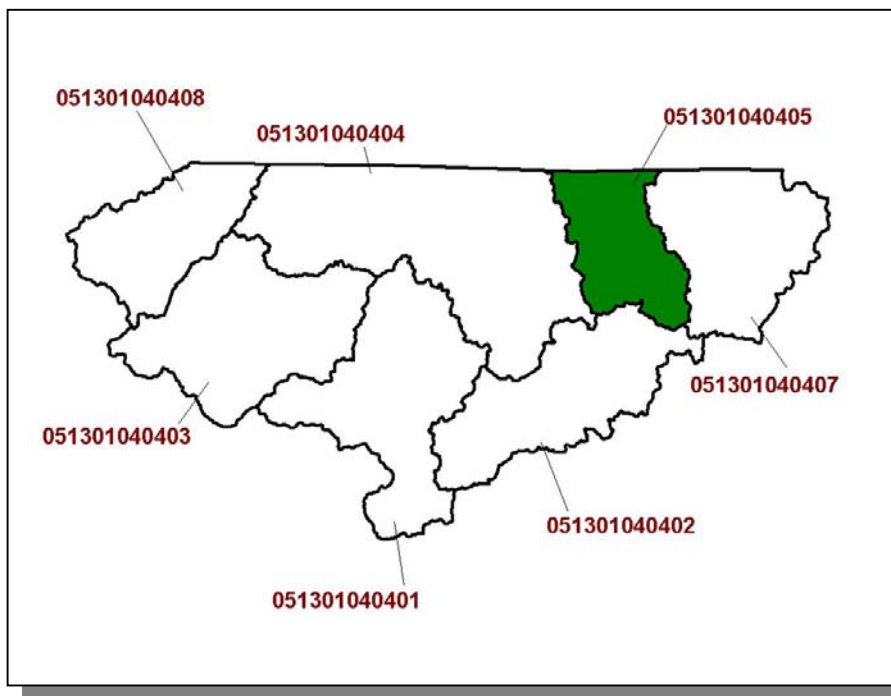
County	<b>INVENTORY</b>		<b>REMOVAL RATE</b>	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Scott	300.3	300.3	5.5	21.4

**Table 4-128. Forest Acreage and Annual Removal Rates (1987-1994) in Scott County.**

<b>CROPS</b>	<b>TONS/ACRE/YEAR</b>
Grass (Hayland)	0.33
Grass, Forbs, Legumes (Mixed Pasture)	0.58
Farmsteads and Ranch Headquarters	0.09

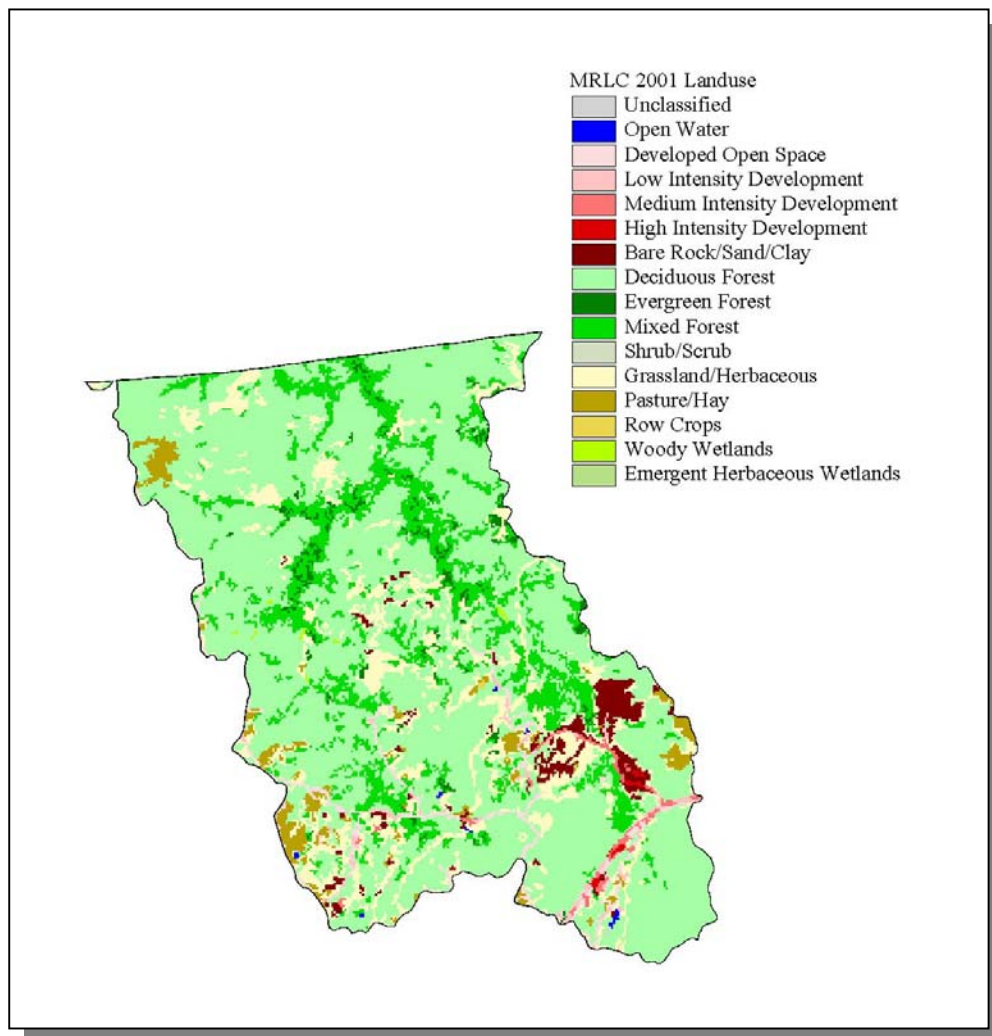
**Table 4-129. Annual Estimated Total Soil Loss in Subwatershed 0604000401.**

**4.3.D.v. 051301040405 (Bear Creek).**



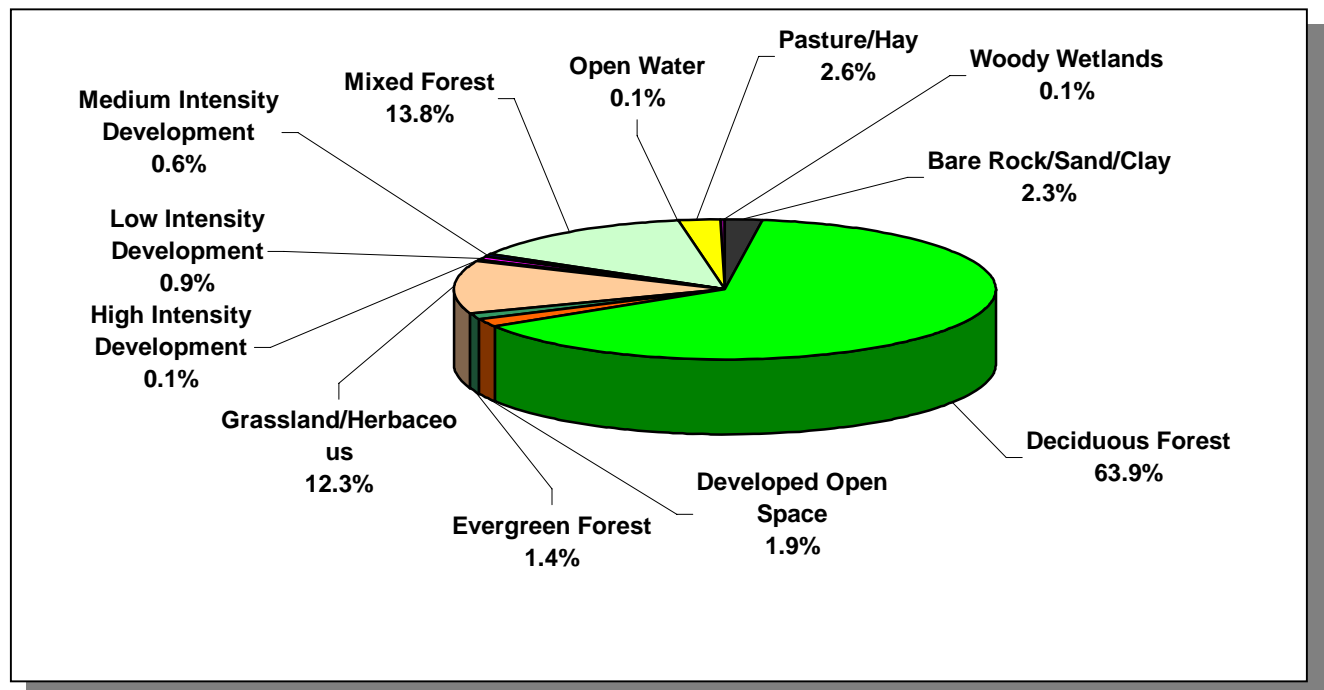
**Figure 4-162. Location of Subwatershed 051301040405.** All South Fork Cumberland River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

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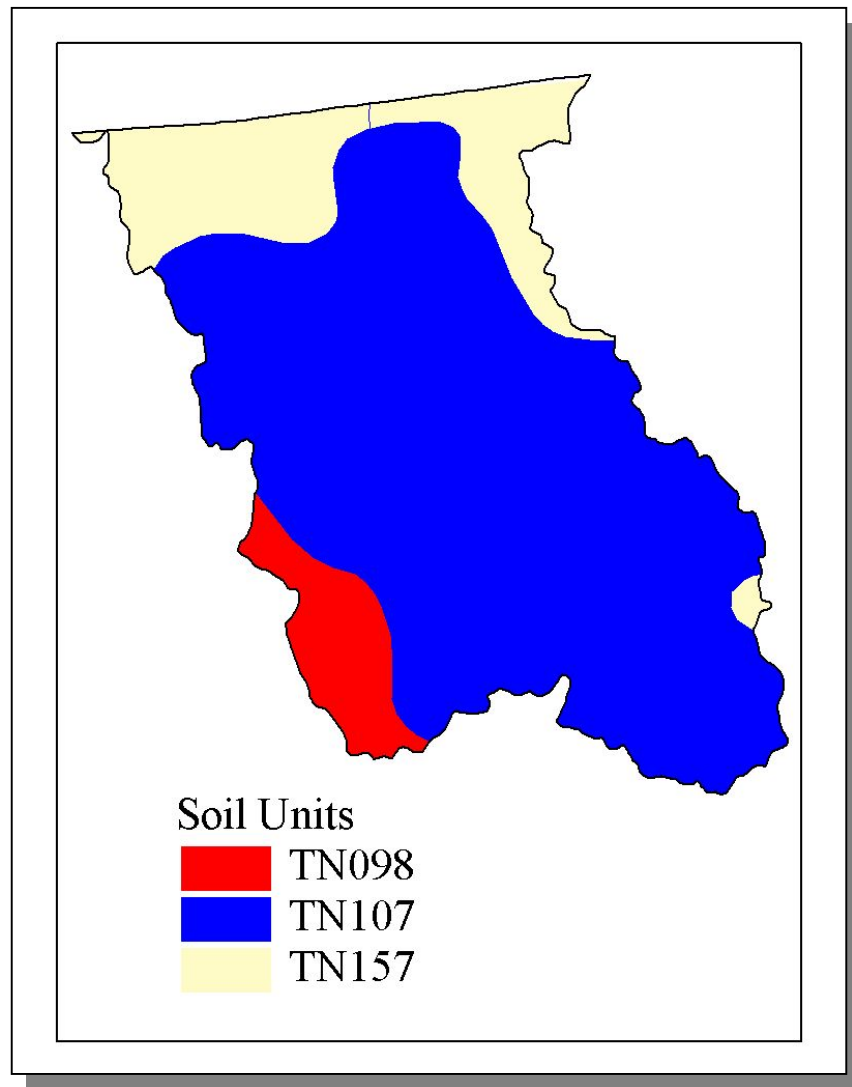
**Figure 4-163. Illustration of Land Use Distribution in Subwatershed 051301040405.**

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**Figure 4-164. Land Use Distribution in Subwatershed 051301040405.** More information is provided in Appendix IV.

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**Figure 4-165. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040405.**

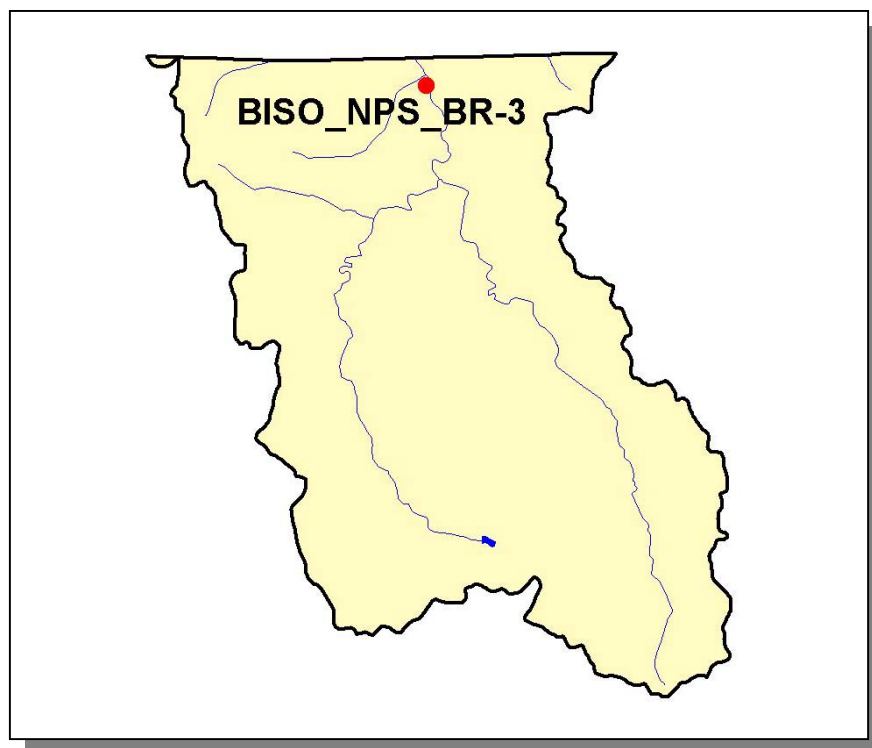
STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN098	1.00	C	3.98	4.82	Loam	0.32
TN107	1.00	C	6.34	4.84	Loam	0.28
TN157	0.00	B	2.38	4.62	Loam	0.28

**Table 4-130. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040405.** The definition of "Hydrologic Group" is provided in Appendix IV.

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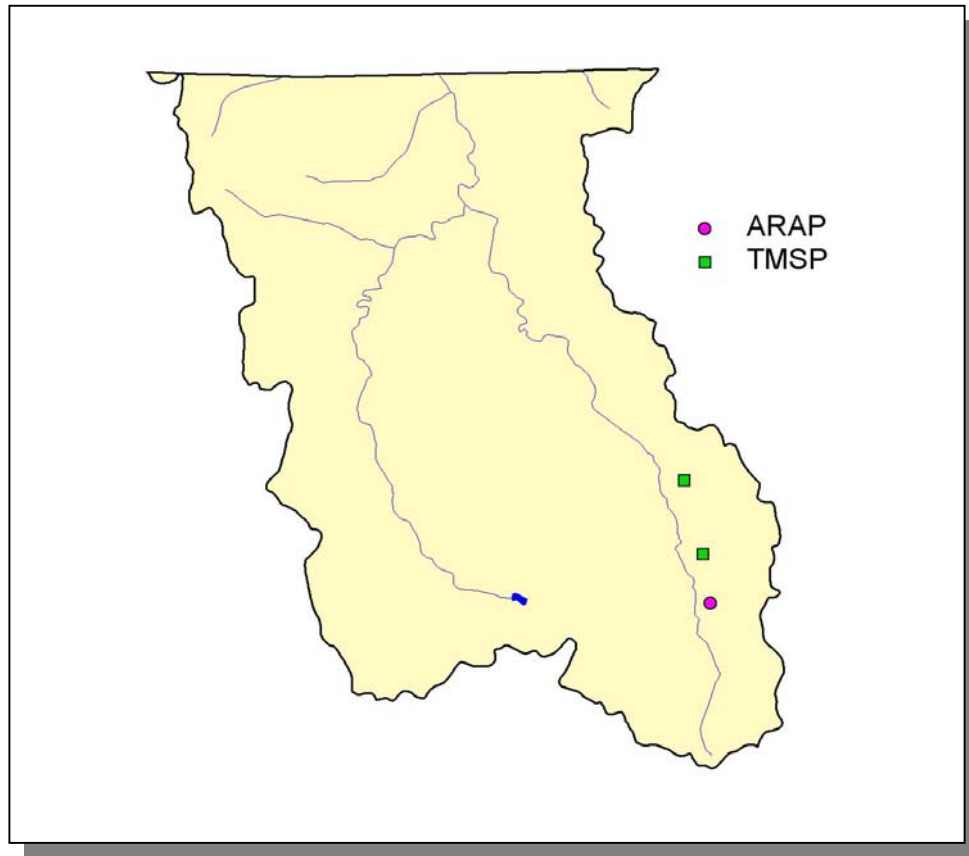
County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Scott	18,358	19,816	21,127	3.0	551	594	634	15.1

**Table 4-131. Population Estimates in Subwatershed 051301040405.**



**Figure 4-166. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301040405.** More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

**4.2.D.v.a. Point Source Contributions.**



**Figure 4-167. Location of Permits Issued in Subwatershed 051301040405.** More information, including the names of facilities, is provided in Appendix IV.





**Figure 4-168. Location of Aquatic Resource Alteration Permit (ARAP) Sites (Individual Permits) in Subwatershed 051301040405.** More information is provided in Appendix IV.



**Figure 4-169. Location of TMSP Sites in Subwatershed 051301040405.** More information, including the names of facilities, is provided in Appendix IV.

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**4.2.D.v.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS					
Beef Cow	Cattle	Milk Cow	Chickens (Broilers Sold)	Hogs	Sheep
44	90	<5	40,185	0	<5

**Table 4-132. Summary of Livestock Count Estimates in Subwatershed 051301040405.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

LIVESTOCK COUNTS							
County	Beef Cow	Cattle	Milk Cow	Chickens (Broilers Sold)	Chickens (Layers)	Hogs	Sheep
Scott	2,177	4,447	216	1,989,506	196	17	74

**Table 4-133. Summary of Livestock Count Estimates in Scott County.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

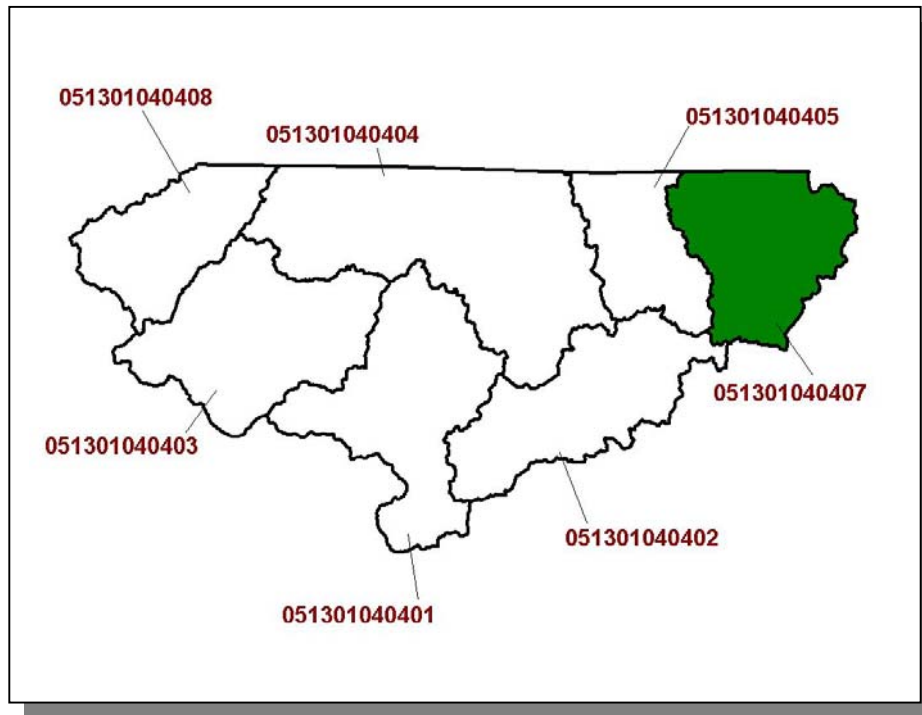
County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Scott	300.3	300.3	5.5	21.4

**Table 4-134. Forest Acreage and Annual Removal Rates (1987-1994) in Scott County.**

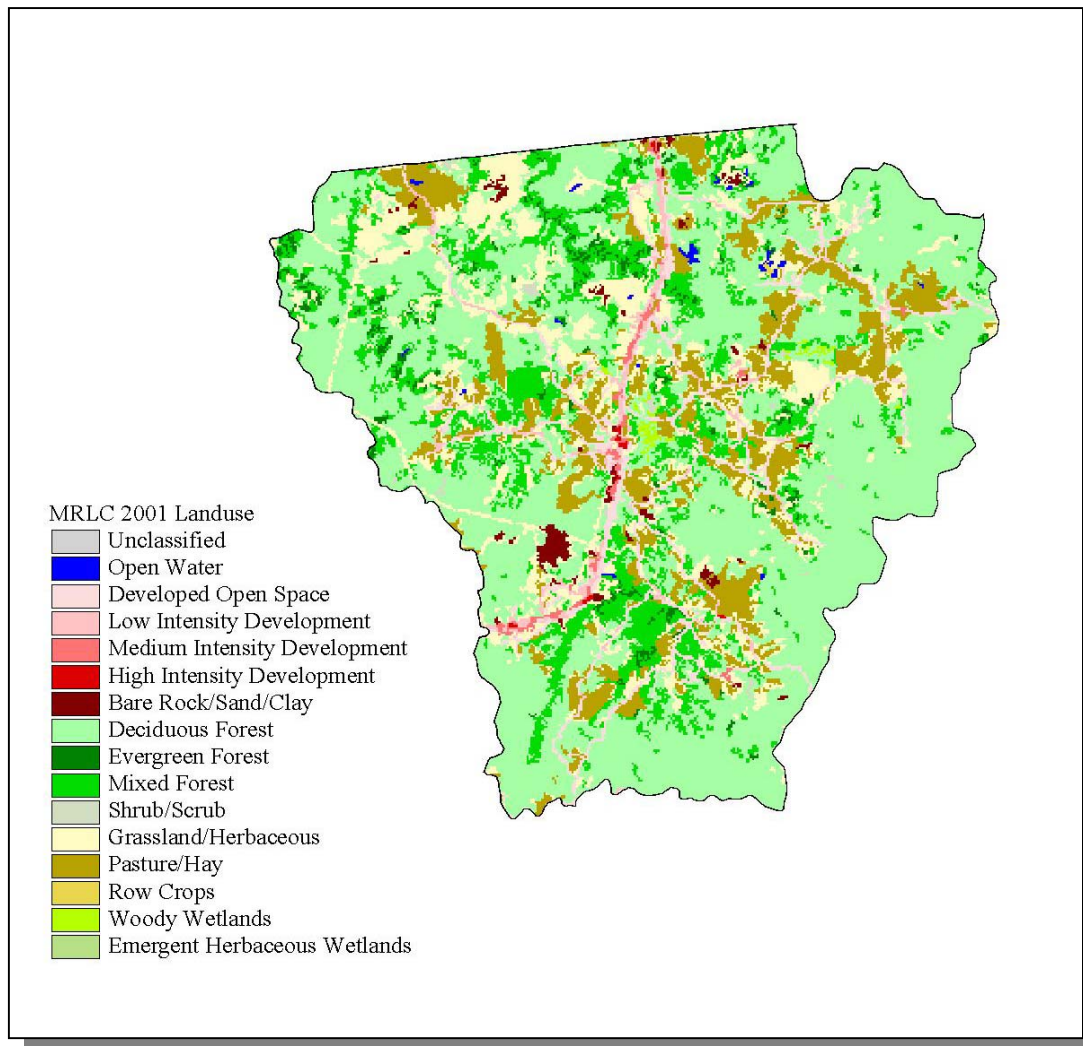
CROPS	TONS/ACRE/YEAR
Grass (Pastureland)	0.33
Grass, Forbs, Legumes (Mixed Pasture)	0.58
Farmsteads and Ranch Headquarters	0.09

**Table 4-135. Annual Estimated Total Soil Loss in Subwatershed 051301040405.**

**4.3.D.vi. 051301040407 (Roaring Paunch Creek).**

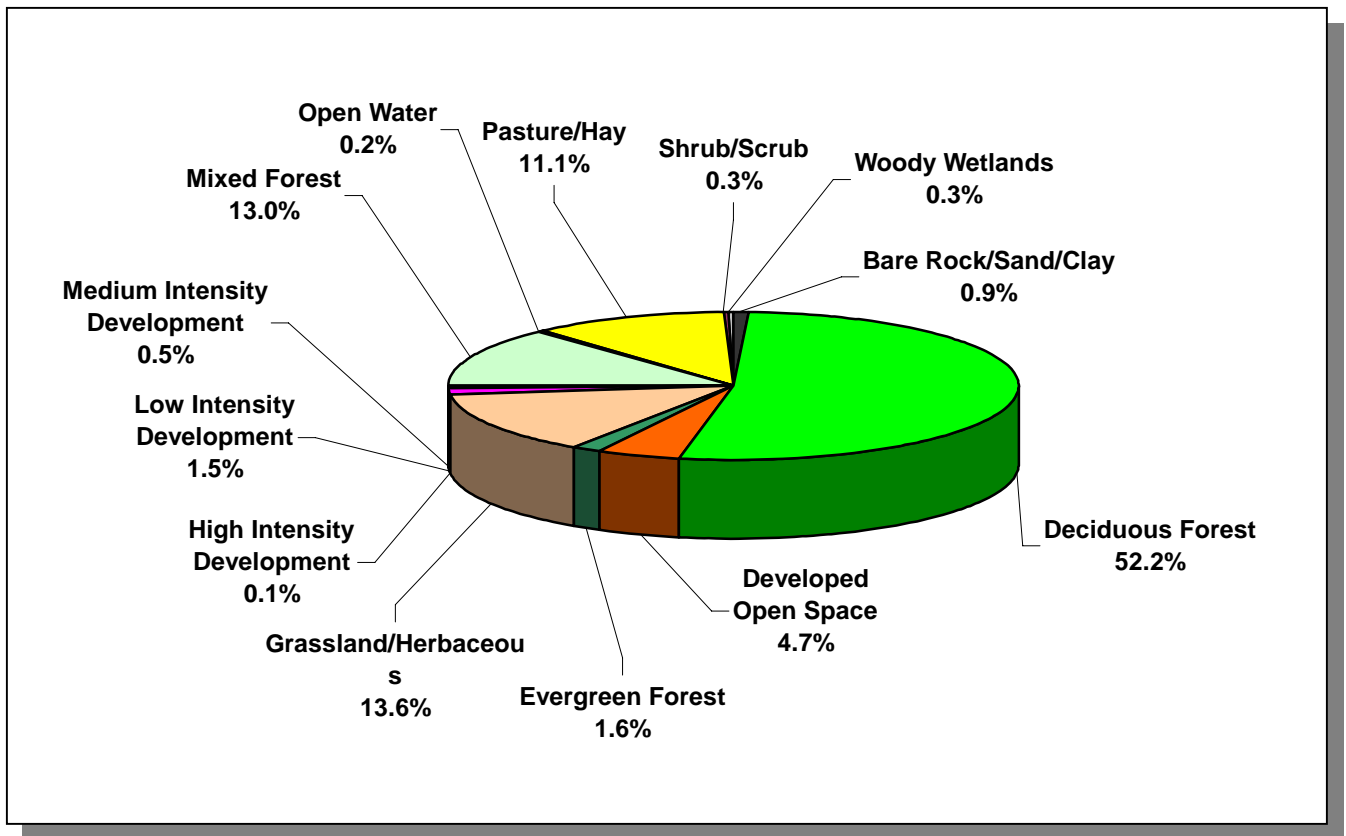


**Figure 4-170. Location of Subwatershed 051301040407.** All South Fork Cumberland River HUC-12 subwatershed boundaries in Tennessee are shown for reference.



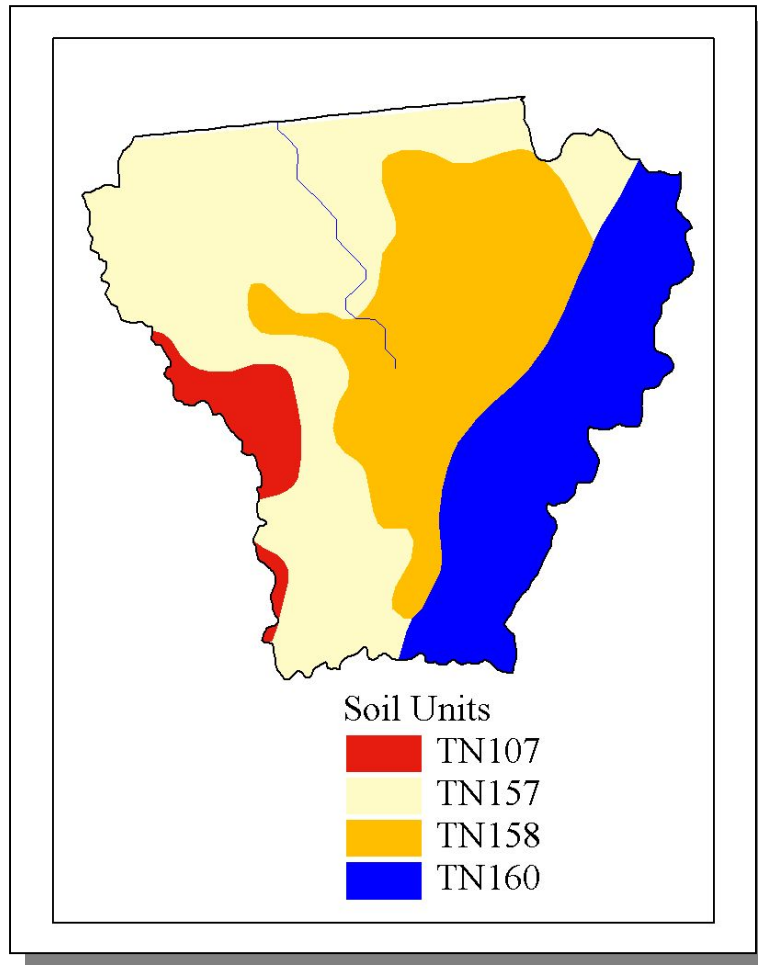
**Figure 4-171. Illustration of Land Use Distribution in Subwatershed 051301040407.**

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**Figure 4-172. Land Use Distribution in Subwatershed 051301040407.** More information is provided in Appendix IV.

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**Figure 4-173. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040407.**

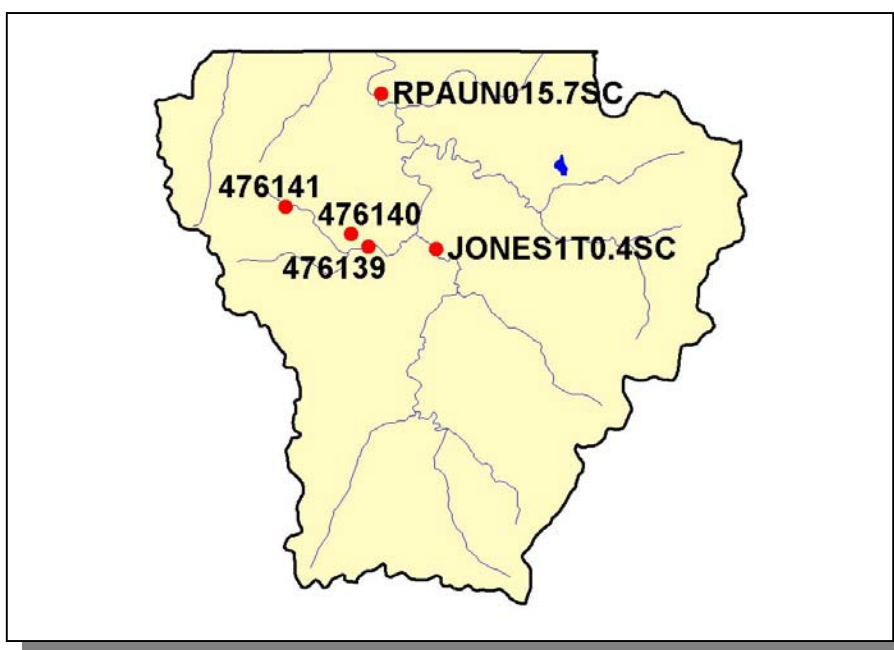
STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN107	1.00	C	6.34	4.84	Loam	0.28
TN157	0.00	B	2.38	4.62	Loam	0.28
TN158	22.00	C	1.89	5.14	Silty Loam	0.29
TN160	0.00	B	2.69	5.36	Loam	0.25

**Table 4-136. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040407.** The definition of "Hydrologic Group" is provided in Appendix IV.

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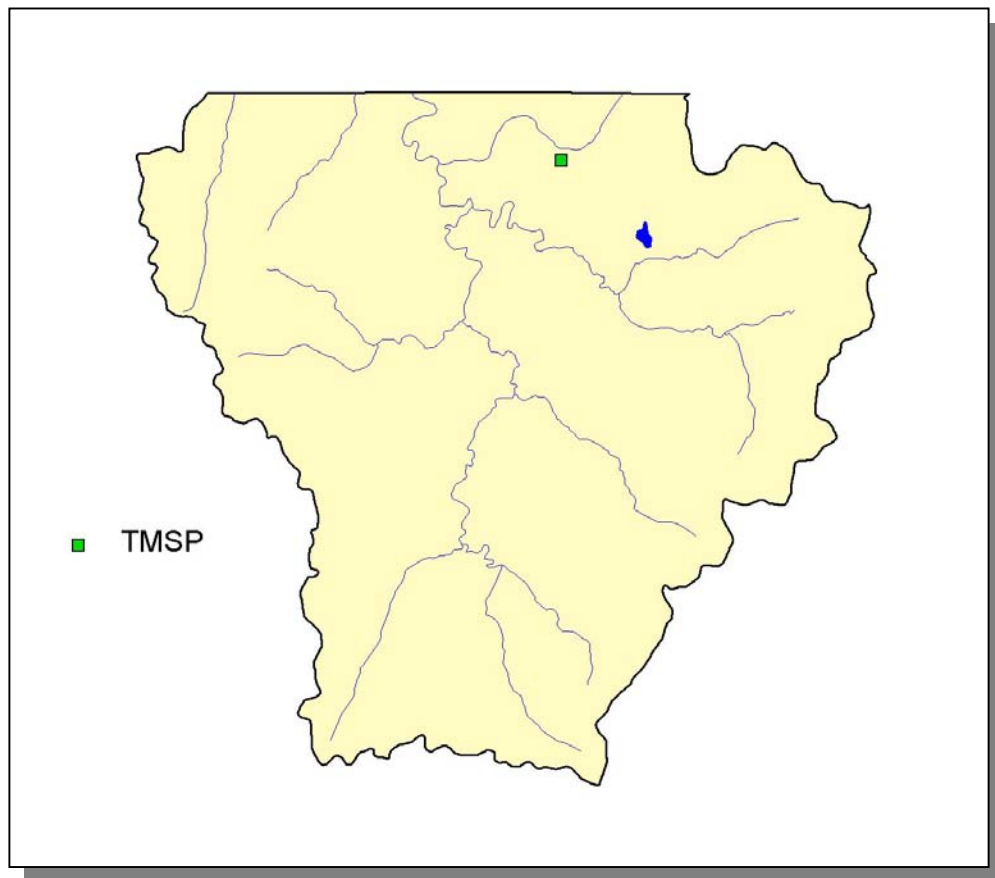
County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Scott	18,358	19,816	21,127	4.58	840	907	967	15.1

**Table 4-137. Population Estimates in Subwatershed 051301040407.**



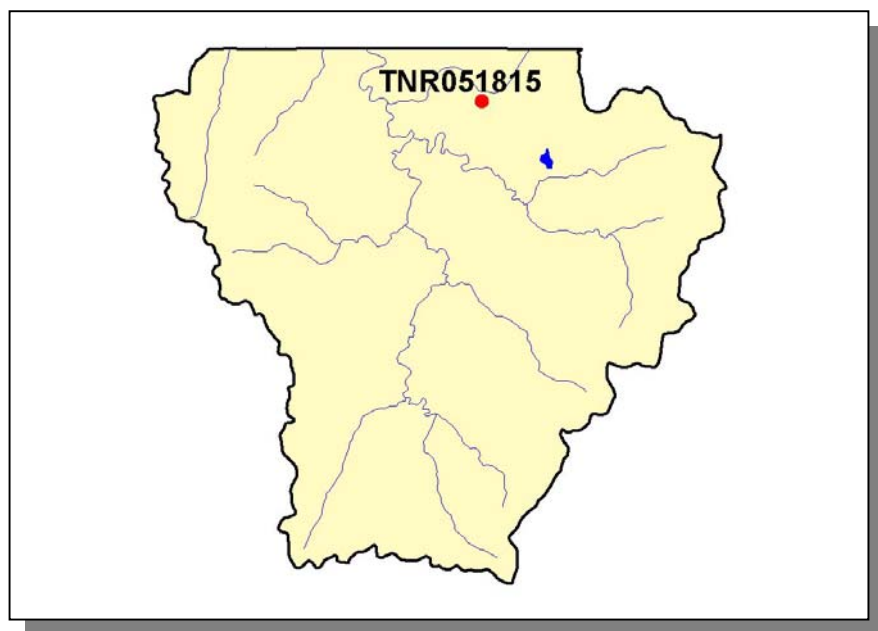
**Figure 4-174. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301040407.** More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

**4.2.D.vi.a.** Point Source Contributions.



**Figure 4-175. Location of Permits Issued in Subwatershed 051301040407.** More information, including the names of facilities, is provided in Appendix IV.





**Figure 4-176. Location of TMSP Sites in Subwatershed 051301040407.** More information, including the names of facilities, is provided in Appendix IV.

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**4.2.D.vi.b. Nonpoint Source Contributions.**

<b>LIVESTOCK (COUNTS)</b>						
Beef Cow	Cattle	Milk Cow	Chickens (Layers)	Chickens (Broilers Sold)	Hogs	Sheep
266	544	26	<5	243,273	<5	9

**Table 4-138. Summary of Livestock Count Estimates in Subwatershed 051301040407.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

<b>LIVESTOCK COUNTS</b>							
County	Beef Cow	Cattle	Milk Cow	Chickens (Broilers Sold)	Chickens (Layers)	Hogs	Sheep
Scott	2,177	4,447	216	1,989,506	196	17	74

**Table 4-139. Summary of Livestock Count Estimates in Scott County.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

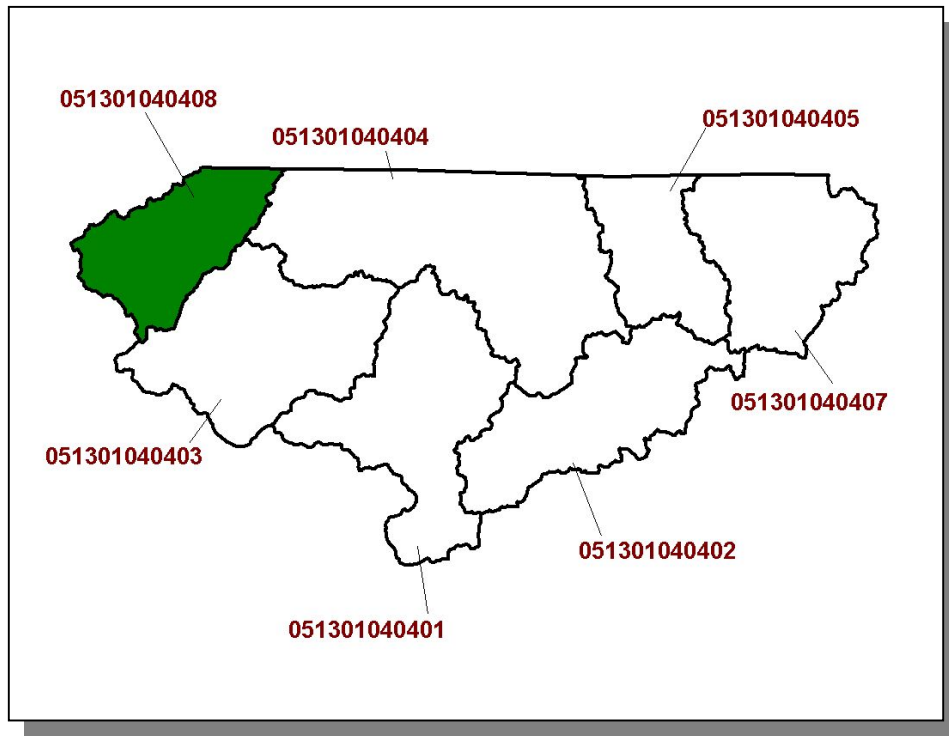
County	<b>INVENTORY</b>		<b>REMOVAL RATE</b>	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Scott	300.3	300.3	5.5	21.4

**Table 4-140. Forest Acreage and Annual Removal Rates (1987-1994) in Scott County.**

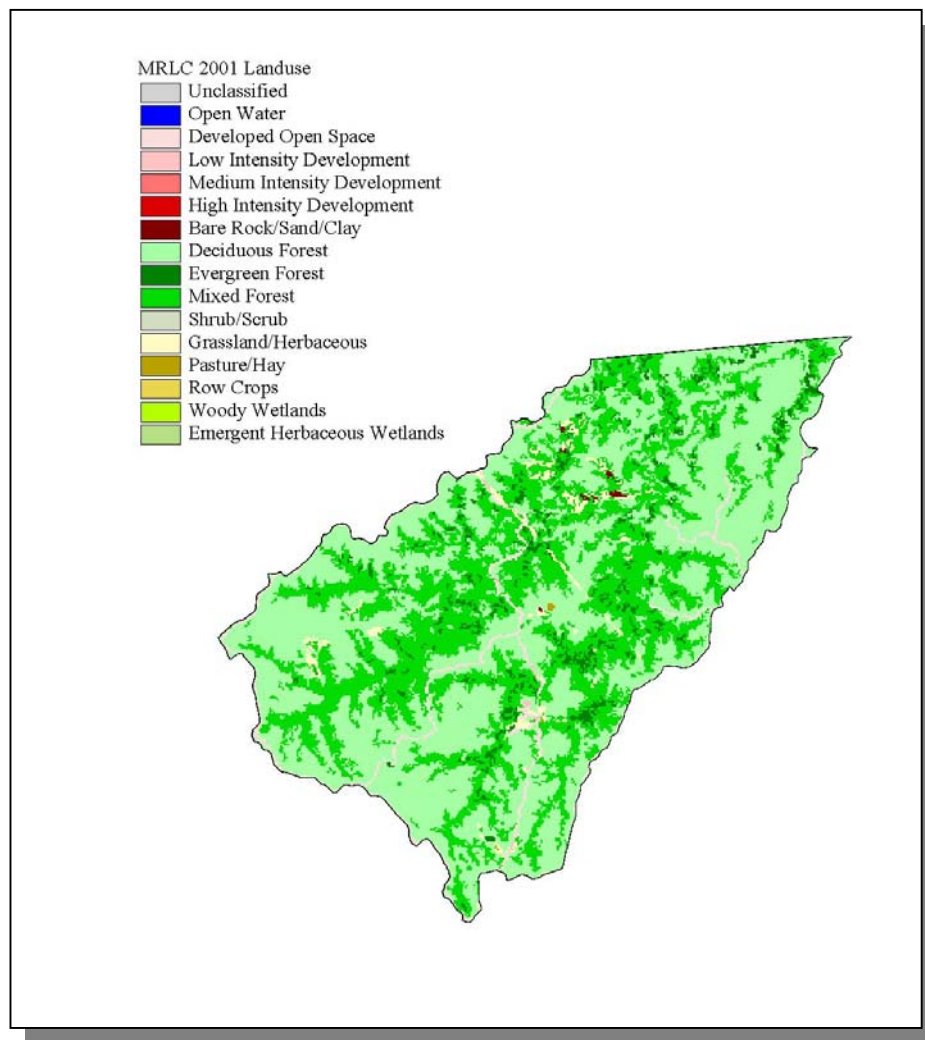
<b>CROPS</b>	<b>TONS/ACRE/YEAR</b>
Grass (Pastureland)	0.33
Grass, Forbs, Legumes (Mixed Pasture)	0.58
Farmsteads and Ranch Headquarters	0.09

**Table 4-141. Annual Estimated Total Soil Loss in Subwatershed 051301040407.**

**4.3.D.vii. 051301040408 (Rock Creek).**

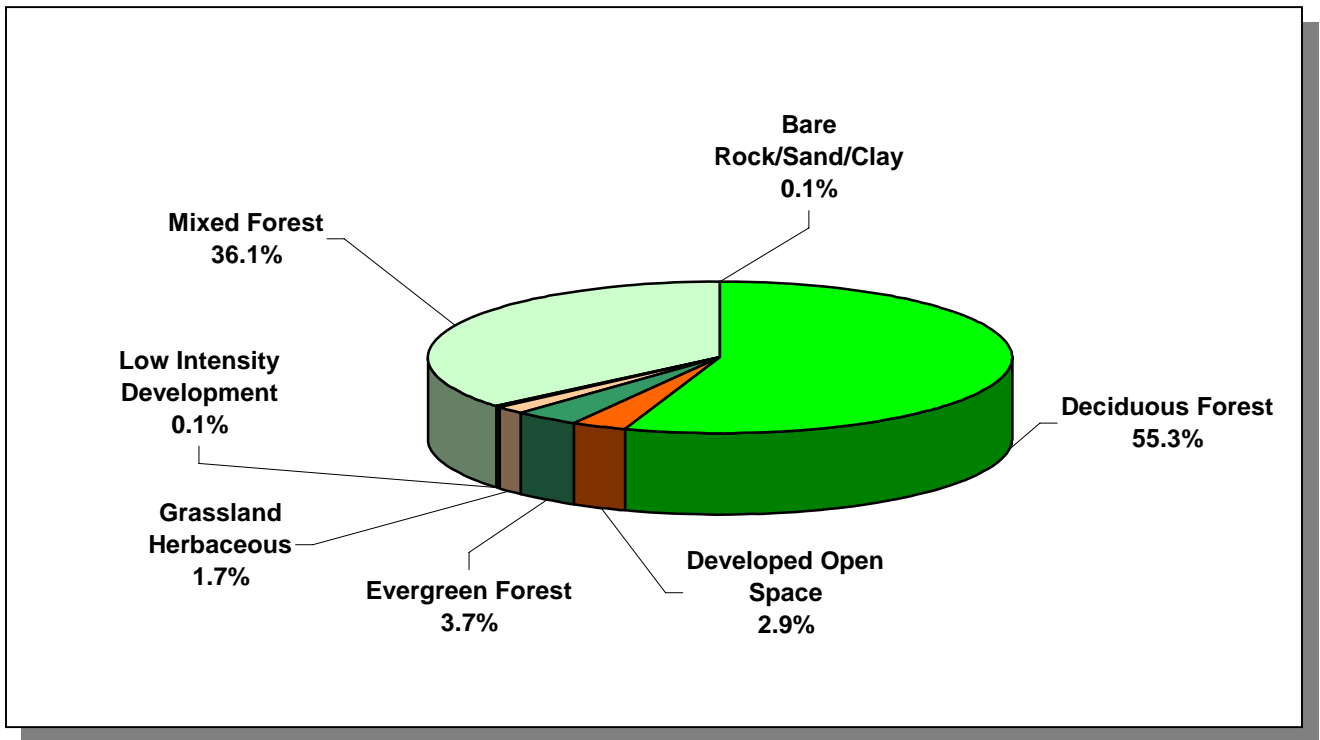


**Figure 4-177. Location of Subwatershed 051301040408.** All South Fork Cumberland River HUC-12 subwatershed boundaries in Tennessee are shown for reference.

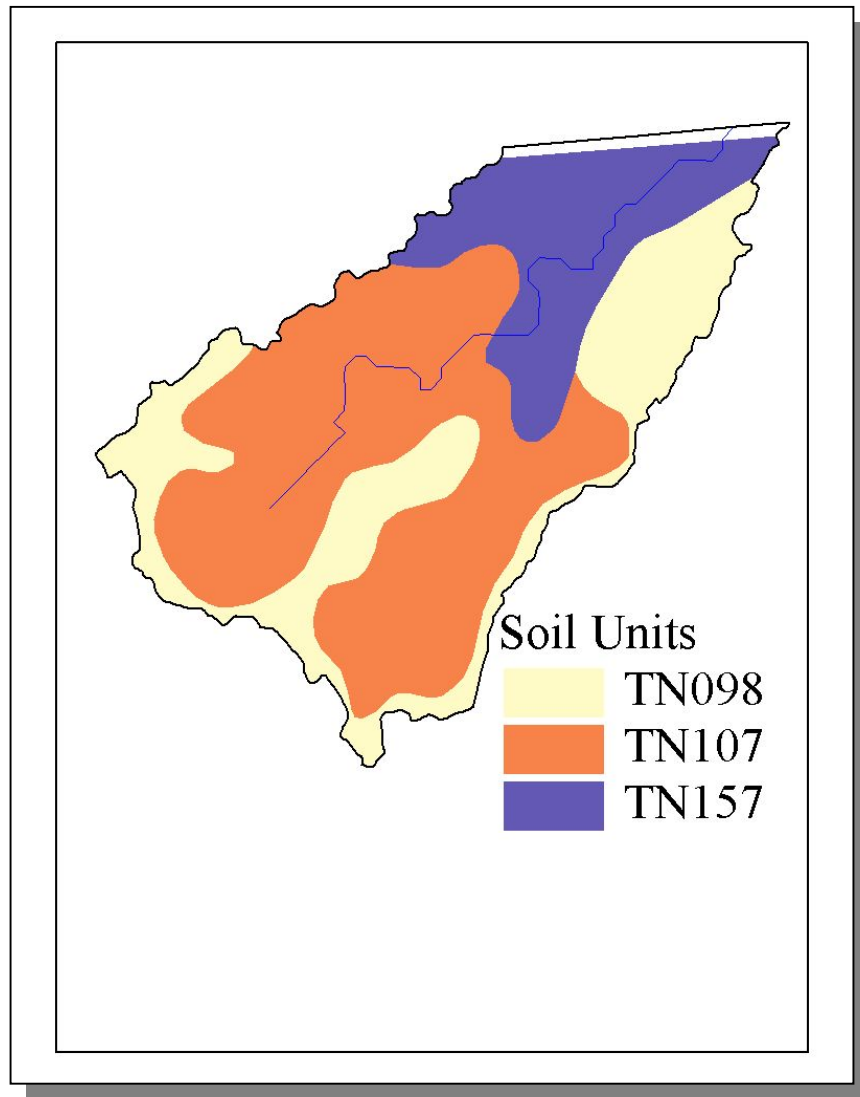


**Figure 4-178. Illustration of Land Use Distribution in Subwatershed 051301040408.**

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**Figure 4-179. Land Use Distribution in Subwatershed 051301040408.** More information is provided in Appendix IV.



**Figure 4-180. STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040408.**

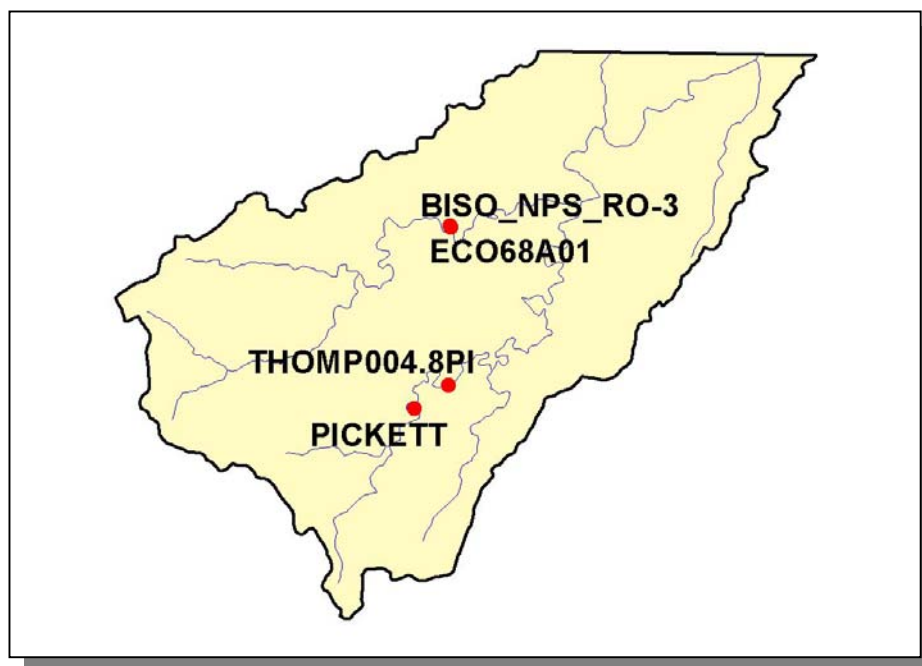
STATSGO MAP UNIT ID	PERCENT HYDRIC	HYDROLOGIC GROUP	PERMEABILITY (in/hour)	SOIL pH	ESTIMATED SOIL TEXTURE	SOIL ERODIBILITY
TN098	1.00	C	3.98	4.82	Loam	0.32
TN107	1.00	C	6.34	4.84	Loam	0.28
TN157	0.00	B	2.38	4.62	Loam	0.28

**Table 4-142. Soil Characteristics by STATSGO (State Soil Geographic Database) Soil Map Units in Subwatershed 051301040408.** The definition of "Hydrologic Group" is provided in Appendix IV.

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County	COUNTY POPULATION			Portion of Watershed (%)	ESTIMATED POPULATION IN WATERSHED			% Change (1990-2000)
	1990	1997	2000		1990	1997	2000	
Fentress	14,669	15,920	16,625	0.61	90	98	102	13.3
Pickett	4,548	4,631	4,945	6.68	304	309	330	8.6
Scott	18,358	19,816	21,127	0.66	121	131	139	14.9
<b>Total</b>	<b>37,575</b>	<b>40,367</b>	<b>42,697</b>		<b>515</b>	<b>538</b>	<b>571</b>	<b>10.9</b>

**Table 4-143. Population Estimates in Subwatershed 051301040408.**



**Figure 4-181. Location of Monitoring Sites in EPA's STORET Database in Subwatershed 051301040408.** More information, including site names and locations, and station numbers for sites located in the watershed outside of Tennessee, is provided in Appendix IV.

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**4.2.D.vii.a. Point Source Contributions.**

There are no point source contributions in this subwatershed.

**4.2.D.vii.b. Nonpoint Source Contributions.**

LIVESTOCK COUNTS	
Beef Cow	Cattle
<5	<5

**Table 4-144. Summary of Livestock Count Estimates in Subwatershed 051301040408.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

LIVESTOCK COUNTS							
County	Beef Cow	Cattle	Milk Cow	Chickens (Broilers Sold)	Chickens (Layers)	Hogs	Sheep
Fentress	8,058	17,259	430	7,290,026	474	729	79
Pickett	5,986	10,864	19		285	99	
Scott	2,177	4,447	216	1,989,506	196	17	74

**Table 4-145. Summary of Livestock Count Estimates in Fentress, Pickett, and Scott Counties.** According to the 1997 Census of Agriculture (<http://www.nass.usda.gov/census/>), "Cattle" includes heifers, heifer calves, steers, bulls and bull calves; "Chickens" are layers 20 weeks and older; "Chickens Sold" are all chickens used to produce meat.

County	INVENTORY		REMOVAL RATE	
	Forest Land (thousand acres)	Timber Land (thousand acres)	Growing Stock (million cubic feet)	Sawtimber (million board feet)
Fentress	244.1	244.1	3.6	14.3
Pickett	68.4	68.4	0.2	0.6
Scott	300.3	300.3	5.5	21.4

**Table 4-146. Forest Acreage and Annual Removal Rates (1987-1994) in Fentress, Pickett, and Scott Counties.**



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<b>CROPS</b>	<b>TONS/ACRE/YEAR</b>
Grass (Pastureland)	0.89
Grass (Hayland)	0.11
Legumes, Grass (Hayland)	0.17
Grass, Forbs, Legumes (Mixed Pasture)	0.61
Corn (Row Crops)	16.18
Soybeans (Row Crops)	6.00
Tobacco (Row Crops)	23.18
Wheat (Close-Grown Cropland)	43.40
Other Vegetable and Truck Crops	15.94
Farmsteads and Ranch Headquarters	4.91

**Table 4-147. Annual Estimated Total Soil Loss in Subwatershed 051301040408.**